Dissociation constants and thermodynamic properties of amino acids used in CO2 absorption from (293 to 353) K

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MDEA

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{HCl,II}$ / mol·kg^{-1}	m_{MDEA} / mol·kg^{-1}	$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
Run no. 1						
293.25	0.0099	293.25	0.0099	0.0481	-421.9	-19.95
293.25	0.0099	293.35	0.0099	0.1314	-452.8	-20.02
293.25	0.0099	293.35	0.0099	0.2153	-466.7	-20.04
293.25	0.0099	293.25	0.0099	0.3047	-476.3	-20.07
293.25	0.0099	293.25	0.0099	0.3594	-480.5	-20.07
293.25	0.0099	293.35	0.0099	0.4595	-486.8	-20.07
293.25	0.0099	293.35	0.0099	0.7509	-499.3	-20.07
Run no. 2						
293.35	0.0099	293.35	0.0099	0.0895	-442.0	-20.01
293.35	0.0099	293.25	0.0099	0.1636	-459.4	-20.05
293.35	0.0099	293.25	0.0099	0.2097	-466.9	-20.09
293.35	0.0099	293.25	0.0099	0.2952	-476.0	-20.10
293.35	0.0099	293.35	0.0099	0.4612	-487.7	-20.10
293.35	0.0099	293.25	0.0099	0.5889	-493.6	-20.01
Run no. 3						
293.45	0.0099	293.55	0.0099	0.0770	-437.7	-20.00
293.45	0.0099	293.45	0.0099	0.1314	-453.6	-20.04
293.45	0.0099	293.45	0.0099	0.2206	-468.1	-20.07
293.45	0.0099	293.45	0.0099	0.2964	-476.4	-20.09
293.45	0.0099	293.45	0.0099	0.3711	-482.4	-20.10
293.45	0.0099	293.35	0.0099	0.4705	-488.4	-20.11
293.45	0.0099	293.35	0.0099	0.6627	-496.9	-20.10
Run no. 4						
298.65	0.0099	298.75	0.0099	0.0895	-443.4	-19.75
298.65	0.0099	298.75	0.0099	0.1636	-461.2	-19.79
298.65	0.0099	298.65	0.0099	0.2097	-468.5	-19.82
298.65	0.0099	298.55	0.0099	0.2952	-478.0	-19.84
298.65	0.0099	298.55	0.0099	0.3604	-483.5	-19.85
298.65	0.0099	298.65	0.0099	0.4612	-489.9	-19.85
298.65	0.0099	298.65	0.0099	0.5889	-496.4	-19.86
Run no. 5						
298.65	0.0099	298.55	0.0099	0.0481	-423.5	-19.72
298.65	0.0099	298.75	0.0099	0.1314	-454.9	-19.77
298.65	0.0099	298.75	0.0099	0.2153	-469.4	-19.82
298.65	0.0099	298.75	0.0099	0.3047	-478.4	-19.81
298.65	0.0099	298.65	0.0099	0.3594	-483.0	-19.83
298.65	0.0099	298.65	0.0099	0.4595	-489.4	-19.83
298.65	0.0099	298.75	0.0099	0.7509	-501.8	-19.82
Run no. 6						
298.75	0.0099	298.75	0.0099	0.0770	-439.0	-19.75

298.75	0.0099	298.75	0.0099	0.1314	-455.2	-19.79
298.75	0.0099	298.75	0.0099	0.2206	-470.0	-19.82
298.75	0.0099	298.75	0.0099	0.2964	-478.2	-19.83
298.75	0.0099	298.65	0.0099	0.4705	-490.5	-19.85
298.75	0.0099	298.65	0.0099	0.6627	-499.1	-19.85

Run no. 7

303.45	0.0099	303.55	0.0099	0.0895	-444.6	-19.52
303.45	0.0099	303.55	0.0099	0.1636	-462.9	-19.57
303.45	0.0099	303.35	0.0099	0.2097	-470.4	-19.61
303.45	0.0099	303.35	0.0099	0.2952	-479.9	-19.62
303.45	0.0099	303.35	0.0099	0.3604	-485.4	-19.63
303.45	0.0099	303.55	0.0099	0.4612	-492.3	-19.63
303.45	0.0099	303.55	0.0099	0.5889	-499.0	-19.65

Run no. 8

303.45	0.0099	303.45	0.0099	0.0481	-424.7	-19.50
303.45	0.0099	303.55	0.0099	0.1314	-456.4	-19.55
303.45	0.0099	303.55	0.0099	0.2153	-471.4	-19.61
303.45	0.0099	303.55	0.0099	0.3047	-481.0	-19.62
303.45	0.0099	303.45	0.0099	0.3594	-485.7	-19.64
303.45	0.0099	303.45	0.0099	0.4595	-492.4	-19.65
303.45	0.0099	303.55	0.0099	0.7509	-504.3	-19.61

Run no. 9

313.45	0.0099	313.35	0.0099	0.0770	-442.7	-19.10
313.45	0.0099	313.45	0.0099	0.1314	-459.7	-19.13
313.45	0.0099	313.45	0.0099	0.2206	-474.8	-19.14
313.45	0.0099	313.45	0.0099	0.2964	-483.4	-19.16
313.45	0.0099	313.45	0.0099	0.3711	-490.1	-19.18
313.45	0.0099	313.45	0.0099	0.4705	-496.4	-19.18
313.45	0.0099	313.45	0.0099	0.6627	-505.5	-19.18

Run no. 10

313.55	0.0099	313.45	0.0099	0.0481	-426.6	-19.05
313.55	0.0099	313.55	0.0099	0.1314	-459.6	-19.12
313.55	0.0099	313.55	0.0099	0.2153	-474.5	-19.15
313.55	0.0099	313.55	0.0099	0.3047	-484.4	-19.16
313.55	0.0099	313.55	0.0099	0.3594	-489.2	-19.17
313.55	0.0099	313.55	0.0099	0.4595	-495.8	-19.17
313.55	0.0099	313.55	0.0099	0.7509	-508.6	-19.17

Run no. 11

313.55	0.0099	313.55	0.0099	0.0895	-447.8	-19.10
313.55	0.0099	313.55	0.0099	0.1636	-466.5	-19.14
313.55	0.0099	313.65	0.0099	0.2097	-474.0	-19.15
313.55	0.0099	313.55	0.0099	0.2952	-483.8	-19.17
313.55	0.0099	313.55	0.0099	0.3604	-489.4	-19.18
313.55	0.0099	313.55	0.0099	0.4612	-496.2	-19.19
313.55	0.0099	313.55	0.0099	0.5889	-502.4	-19.17

Run no. 12

322.85	0.0099	322.85	0.0099	0.0481	-425.8	-18.56
322.85	0.0099	322.85	0.0099	0.1314	-457.8	-18.56
322.85	0.0099	322.85	0.0099	0.2153	-472.0	-18.56
322.85	0.0099	322.75	0.0099	0.3047	-481.7	-18.56
322.85	0.0099	322.85	0.0099	0.3594	-486.3	-18.55
322.85	0.0099	322.75	0.0099	0.4595	-492.7	-18.54
322.85	0.0099	322.75	0.0099	0.7509	-505.1	-18.50

Run no. 13

322.85	0.0099	322.75	0.0099	0.0895	-446.3	-18.58
322.85	0.0099	322.85	0.0099	0.1636	-464.4	-18.57
322.85	0.0099	322.85	0.0099	0.2097	-471.6	-18.57
322.85	0.0099	322.85	0.0099	0.2952	-481.3	-18.57
322.85	0.0099	322.85	0.0099	0.3604	-486.5	-18.55
322.85	0.0099	322.75	0.0099	0.4612	-493.1	-18.55
322.85	0.0099	322.85	0.0099	0.5889	-499.3	-18.52

Run no. 14

333.25	0.0099	333.35	0.0099	0.0481	-427.4	-18.14
333.25	0.0099	333.25	0.0099	0.1314	-460.2	-18.14
333.25	0.0099	333.25	0.0099	0.2153	-474.8	-18.13
333.25	0.0099	333.15	0.0099	0.3047	-484.7	-18.12
333.25	0.0099	333.15	0.0099	0.3594	-489.3	-18.12
333.25	0.0099	333.15	0.0099	0.4595	-495.7	-18.09

Run no. 15

333.25	0.0099	333.25	0.0099	0.0770	-442.9	-18.12
333.25	0.0099	333.25	0.0099	0.1314	-459.9	-18.13
333.25	0.0099	333.25	0.0099	0.2206	-474.9	-18.10
333.25	0.0099	333.25	0.0099	0.2964	-483.4	-18.10
333.25	0.0099	333.25	0.0099	0.3711	-489.9	-18.10
333.25	0.0099	333.25	0.0099	0.4705	-496.0	-18.07
333.25	0.0099	333.35	0.0099	0.6627	-505.0	-18.05

Run no. 16

333.35	0.0099	333.25	0.0099	0.0895	-448.5	-18.15
333.35	0.0099	333.25	0.0099	0.1636	-467.0	-18.14
333.35	0.0099	333.35	0.0099	0.2097	-474.3	-18.13
333.35	0.0099	333.35	0.0099	0.2952	-484.1	-18.12
333.35	0.0099	333.35	0.0099	0.3604	-489.7	-18.12
333.35	0.0099	333.35	0.0099	0.4612	-496.7	-18.12
333.35	0.0099	333.35	0.0099	0.5889	-502.8	-18.09

Run no. 17

343.15	0.0099	343.15	0.0099	0.0895	-450.0	-17.75
343.15	0.0099	343.15	0.0099	0.1636	-469.5	-17.76
343.15	0.0099	343.15	0.0099	0.2097	-477.1	-17.76
343.15	0.0099	343.15	0.0099	0.2952	-487.3	-17.75
343.15	0.0099	343.25	0.0099	0.3604	-492.6	-17.73
343.15	0.0099	343.15	0.0099	0.4612	-499.6	-17.72
343.15	0.0099	343.15	0.0099	0.5889	-505.7	-17.69

Run no. 18

343.25	0.0099	343.25	0.0099	0.0455	-426.3	-17.74
343.25	0.0099	343.15	0.0099	0.1632	-468.7	-17.73
343.25	0.0099	343.15	0.0099	0.2119	-476.7	-17.73
343.25	0.0099	343.25	0.0099	0.3260	-489.3	-17.71
343.25	0.0099	343.15	0.0099	0.9033	-516.0	-17.63

Run no. 19

353.15	0.0099	353.25	0.0099	0.0455	-427.0	-17.36
353.15	0.0099	353.05	0.0099	0.1632	-470.9	-17.36
353.15	0.0099	353.15	0.0099	0.2119	-478.7	-17.34
353.15	0.0099	353.25	0.0099	0.3260	-491.4	-17.32
353.15	0.0099	353.25	0.0099	0.6627	-510.7	-17.25

Run no. 20

353.25	0.0099	353.25	0.0099	0.0895	-451.6	-17.37
353.25	0.0099	353.15	0.0099	0.1636	-471.4	-17.37
353.25	0.0099	353.25	0.0099	0.2097	-478.8	-17.35
353.25	0.0099	353.25	0.0099	0.2952	-489.1	-17.34
353.25	0.0099	353.35	0.0099	0.3604	-494.3	-17.31
353.25	0.0099	353.35	0.0099	0.4612	-501.5	-17.30
353.25	0.0099	353.35	0.0099	0.5889	-508.3	-17.28

β-Alanine

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{\beta\text{-Alanine}}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
Run no. 1						
293.15	0.0102	293.15	0.0100	0.0750	-440.2	-24.07
293.15	0.0102	293.15	0.0100	0.1573	-419.7	-24.08
293.15	0.0102	293.05	0.0100	0.2244	-410.4	-24.09
293.15	0.0102	293.05	0.0100	0.3224	-400.9	-24.09
293.15	0.0102	293.05	0.0100	0.3933	-396.1	-24.11
293.15	0.0102	293.15	0.0100	0.5359	-388.1	-24.10
293.15	0.0102	293.15	0.0100	0.7056	-381.5	-24.12
Run no. 2						
293.15	0.0102	293.15	0.0100	0.0732	-441.2	-24.09
293.15	0.0102	293.15	0.0100	0.1515	-420.8	-24.08
293.15	0.0102	293.15	0.0100	0.2280	-410.1	-24.09
293.15	0.0102	293.15	0.0100	0.3004	-402.9	-24.09
293.15	0.0102	293.15	0.0100	0.3801	-396.9	-24.10
293.15	0.0102	293.15	0.0100	0.5277	-388.3	-24.09
293.15	0.0102	293.25	0.0100	0.7116	-381.2	-24.11
Run no. 3						
293.25	0.0102	293.15	0.0100	0.0733	-441.2	-24.09
293.25	0.0102	293.15	0.0100	0.1621	-419.4	-24.10
293.25	0.0102	293.15	0.0100	0.2312	-409.9	-24.10
293.25	0.0102	293.15	0.0100	0.3147	-401.7	-24.09
293.25	0.0102	293.25	0.0100	0.3737	-397.4	-24.09
293.25	0.0102	293.15	0.0100	0.5269	-389.0	-24.12
293.25	0.0102	293.15	0.0100	0.6945	-382.3	-24.13
Run no. 4						
298.15	0.0102	298.25	0.0100	0.1573	-418.6	-23.75
298.15	0.0102	298.15	0.0100	0.2244	-409.1	-23.76
298.15	0.0102	298.15	0.0100	0.3224	-399.5	-23.77
298.15	0.0102	298.15	0.0100	0.3933	-394.4	-23.77
298.15	0.0102	298.25	0.0100	0.5359	-386.3	-23.77
298.15	0.0102	298.25	0.0100	0.7056	-379.4	-23.78
Run no. 5						
298.25	0.0102	298.35	0.0100	0.0732	-440.3	-23.75
298.25	0.0102	298.35	0.0100	0.1515	-419.3	-23.73
298.25	0.0102	298.25	0.0100	0.2280	-408.3	-23.74
298.25	0.0102	298.25	0.0100	0.3004	-401.1	-23.75
298.25	0.0102	298.25	0.0100	0.3801	-394.8	-23.75
298.25	0.0102	298.35	0.0100	0.5277	-386.4	-23.75
298.25	0.0102	298.35	0.0100	0.7116	-379.0	-23.77
Run no. 6						
298.35	0.0102	298.35	0.0102	0.0733	-440.4	-23.75

298.35	0.0102	298.35	0.0102	0.1621	-418.0	-23.76
298.35	0.0102	298.25	0.0102	0.2312	-408.5	-23.77
298.35	0.0102	298.25	0.0102	0.3147	-400.4	-23.77
298.35	0.0102	298.35	0.0102	0.3737	-395.8	-23.76
298.35	0.0102	298.25	0.0102	0.5269	-387.4	-23.79
298.35	0.0102	298.25	0.0102	0.6945	-380.3	-23.80
Run no. 7						
303.05	0.0102	303.15	0.0100	0.0750	-438.4	-23.43
303.05	0.0102	303.15	0.0100	0.1573	-417.1	-23.43
303.05	0.0102	303.05	0.0100	0.2244	-407.8	-23.46
303.05	0.0102	302.95	0.0100	0.3224	-398.1	-23.47
303.05	0.0102	302.95	0.0100	0.3933	-392.8	-23.47
303.05	0.0102	303.15	0.0100	0.5359	-383.8	-23.43
303.05	0.0102	303.15	0.0100	0.7056	-377.6	-23.47
Run no. 8						
303.15	0.0102	303.25	0.0100	0.0732	-439.5	-23.44
303.15	0.0102	303.25	0.0100	0.1515	-418.2	-23.43
303.15	0.0102	303.25	0.0100	0.2280	-407.1	-23.44
303.15	0.0102	303.25	0.0100	0.3004	-399.4	-23.43
303.15	0.0102	303.25	0.0100	0.3801	-393.3	-23.44
303.15	0.0102	303.25	0.0100	0.5277	-384.9	-23.45
303.15	0.0102	303.25	0.0100	0.7116	-376.7	-23.44
Run no. 9						
303.25	0.0102	303.25	0.0100	0.0733	-439.6	-23.45
303.25	0.0102	303.05	0.0100	0.1621	-417.2	-23.48
303.25	0.0102	303.25	0.0100	0.2312	-406.9	-23.44
303.25	0.0102	303.15	0.0100	0.3147	-399.1	-23.47
303.25	0.0102	303.25	0.0100	0.3737	-394.2	-23.45
303.25	0.0102	303.25	0.0100	0.5269	-385.3	-23.47
303.25	0.0102	302.95	0.0100	0.6945	-378.8	-23.52
Run no. 10						
313.05	0.0102	313.15	0.0100	0.0733	-437.9	-22.86
313.05	0.0102	313.15	0.0100	0.1621	-414.3	-22.85
313.05	0.0102	313.15	0.0100	0.2312	-404.0	-22.85
313.05	0.0102	313.15	0.0100	0.3147	-395.6	-22.86
313.05	0.0102	313.15	0.0100	0.3737	-391.1	-22.87
313.05	0.0102	313.15	0.0100	0.5269	-381.8	-22.87
313.05	0.0102	313.15	0.0100	0.6945	-374.3	-22.87
Run no. 11						
313.25	0.0102	313.35	0.0100	0.0732	-438.1	-22.85
313.25	0.0102	313.25	0.0100	0.1515	-416.2	-22.85
313.25	0.0102	313.25	0.0100	0.2280	-404.7	-22.85
313.25	0.0102	313.25	0.0100	0.3004	-397.1	-22.86
313.25	0.0102	313.25	0.0100	0.3801	-390.4	-22.85
313.25	0.0102	313.25	0.0100	0.5277	-381.6	-22.86
313.25	0.0102	313.25	0.0100	0.7116	-373.8	-22.88

Run no. 12

313.35	0.0102	313.25	0.0100	0.0750	-437.5	-22.86
313.35	0.0102	313.35	0.0100	0.1573	-415.4	-22.85
313.35	0.0102	313.35	0.0100	0.2244	-405.2	-22.85
313.35	0.0102	313.35	0.0100	0.3224	-395.0	-22.85
313.35	0.0102	313.25	0.0100	0.3933	-389.5	-22.86
313.35	0.0102	313.25	0.0100	0.5359	-381.3	-22.87
313.35	0.0102	313.25	0.0100	0.7056	-374.1	-22.88

Run no. 13

323.05	0.0102	323.05	0.0100	0.0732	-436.5	-22.31
323.05	0.0102	323.05	0.0100	0.1515	-414.1	-22.31
323.05	0.0102	323.05	0.0100	0.2280	-402.2	-22.31
323.05	0.0102	323.05	0.0100	0.3004	-394.0	-22.31
323.05	0.0102	323.05	0.0100	0.3801	-387.4	-22.31
323.05	0.0102	322.95	0.0100	0.5277	-378.1	-22.32
323.05	0.0102	322.95	0.0100	0.7116	-370.0	-22.33

Run no. 14

323.15	0.0102	323.15	0.0100	0.0733	-436.5	-22.31
323.15	0.0102	323.15	0.0100	0.1621	-412.1	-22.31
323.15	0.0102	323.05	0.0100	0.2312	-401.4	-22.30
323.15	0.0102	323.05	0.0100	0.3147	-392.6	-22.30
323.15	0.0102	323.15	0.0100	0.3737	-387.7	-22.30
323.15	0.0102	323.05	0.0100	0.5269	-378.2	-22.32
323.15	0.0102	323.15	0.0100	0.6945	-370.7	-22.32

Run no. 15

323.15	0.0102	323.15	0.0100	0.0750	-436.1	-22.32
323.15	0.0102	323.15	0.0100	0.1573	-413.2	-22.31
323.15	0.0102	323.15	0.0100	0.2244	-402.7	-22.31
323.15	0.0102	323.15	0.0100	0.3224	-392.0	-22.30
323.15	0.0102	323.15	0.0100	0.3933	-386.3	-22.30
323.15	0.0102	323.15	0.0100	0.5359	-378.1	-22.32
323.15	0.0102	323.15	0.0100	0.7056	-370.6	-22.33

Run no. 16

332.85	0.0102	332.75	0.0100	0.0732	-435.1	-21.81
332.85	0.0102	332.85	0.0100	0.1515	-411.8	-21.80
332.85	0.0102	332.85	0.0100	0.2280	-399.0	-21.78
332.85	0.0102	332.75	0.0100	0.3004	-391.3	-21.80
332.85	0.0102	332.75	0.0100	0.3801	-384.6	-21.81
332.85	0.0102	332.75	0.0100	0.5277	-375.0	-21.81
332.85	0.0102	332.75	0.0100	0.7116	-366.4	-21.82

Run no. 17

332.85	0.0102	332.95	0.0100	0.0750	-434.0	-21.79
332.85	0.0102	332.95	0.0100	0.1573	-410.4	-21.78
332.85	0.0102	332.85	0.0100	0.2244	-399.8	-21.79
332.85	0.0102	332.75	0.0100	0.3224	-388.9	-21.79
332.85	0.0102	332.75	0.0100	0.3933	-382.8	-21.78
332.85	0.0102	332.95	0.0100	0.5359	-373.9	-21.78

332.85	0.0102	332.75	0.0100	0.7056	-366.3	-21.81
Run no. 18						
332.95	0.0102	332.95	0.0100	0.0733	-434.3	-21.77
332.95	0.0102	332.95	0.0100	0.1621	-409.0	-21.77
332.95	0.0102	332.85	0.0100	0.2312	-398.2	-21.77
332.95	0.0102	332.85	0.0100	0.3147	-389.3	-21.78
332.95	0.0102	333.05	0.0100	0.3737	-384.2	-21.77
332.95	0.0102	332.95	0.0100	0.5269	-374.7	-21.79
332.95	0.0102	332.85	0.0100	0.6945	-367.2	-21.82
Run no. 19						
343.35	0.0102	343.35	0.0100	0.0733	-433.6	-21.30
343.35	0.0102	343.45	0.0100	0.1621	-407.6	-21.29
343.35	0.0102	343.35	0.0100	0.2312	-396.3	-21.28
343.35	0.0102	343.45	0.0100	0.3147	-387.3	-21.29
343.35	0.0102	343.45	0.0100	0.3737	-382.0	-21.29
343.35	0.0102	343.45	0.0100	0.5269	-372.2	-21.31
343.35	0.0102	343.45	0.0100	0.6945	-363.9	-21.31
Run no. 20						
343.65	0.0102	343.65	0.0100	0.0750	-433.2	-21.30
343.65	0.0102	343.65	0.0100	0.1573	-408.8	-21.29
343.65	0.0102	343.65	0.0100	0.2244	-397.3	-21.27
343.65	0.0102	343.65	0.0100	0.3224	-385.6	-21.26
343.65	0.0102	343.65	0.0100	0.3933	-379.7	-21.26
343.65	0.0102	343.75	0.0100	0.5359	-371.0	-21.28
343.65	0.0102	343.65	0.0100	0.7056	-362.8	-21.29
Run no. 21						
343.75	0.0102	343.75	0.0100	0.0732	-433.5	-21.28
343.75	0.0102	343.75	0.0100	0.1515	-409.6	-21.27
343.75	0.0102	343.65	0.0100	0.2280	-397.0	-21.28
343.75	0.0102	343.65	0.0100	0.3004	-388.4	-21.28
343.75	0.0102	343.65	0.0100	0.3801	-381.3	-21.28
343.75	0.0102	343.65	0.0100	0.5277	-371.8	-21.30
Run no. 22						
353.75	0.0102	353.75	0.0100	0.0732	-431.5	-20.80
353.75	0.0102	353.75	0.0100	0.1515	-406.7	-20.79
353.75	0.0102	353.65	0.0100	0.2280	-394.2	-20.82
353.75	0.0102	353.65	0.0100	0.3004	-385.4	-20.81
353.75	0.0102	353.85	0.0100	0.3801	-377.9	-20.80
Run no. 23						
353.85	0.0102	353.95	0.0100	0.0750	-431.1	-20.81
353.85	0.0102	353.95	0.0100	0.1573	-406.2	-20.81
353.85	0.0102	353.85	0.0100	0.2244	-394.7	-20.81
353.85	0.0102	353.85	0.0100	0.3224	-382.6	-20.79
353.85	0.0102	353.95	0.0100	0.3933	-376.6	-20.79
353.85	0.0102	353.95	0.0100	0.5359	-367.6	-20.81
353.85	0.0102	353.75	0.0100	0.7056	-359.7	-20.84

Run no. 24

353.95	0.0102	354.05	0.0100	0.0733	-431.4	-20.79
353.95	0.0102	353.85	0.0100	0.1621	-405.1	-20.81
353.95	0.0102	353.85	0.0100	0.2312	-393.8	-20.81
353.95	0.0102	353.95	0.0100	0.3147	-384.6	-20.82
353.95	0.0102	353.95	0.0100	0.3737	-379.7	-20.84
353.95	0.0102	353.95	0.0100	0.5269	-369.4	-20.85
353.95	0.0102	353.95	0.0100	0.6945	-361.1	-20.86

Taurine

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{Taurine}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
Run no. 1						
293.25	0.0102	293.25	0.0100	0.0544	-376.4	-21.18
293.25	0.0102	293.15	0.0100	0.1414	-348.8	-21.18
293.25	0.0102	293.15	0.0100	0.2070	-338.9	-21.19
293.25	0.0102	293.15	0.0100	0.2842	-330.5	-21.19
293.25	0.0102	293.25	0.0100	0.3412	-325.8	-21.19
293.25	0.0102	293.15	0.0100	0.4143	-320.9	-21.20
Run no. 2						
293.65	0.0082	293.65	0.0087	0.0632	-361.6	-21.11
293.65	0.0082	293.65	0.0087	0.1379	-340.5	-21.14
293.65	0.0082	293.65	0.0087	0.2106	-329.6	-21.16
293.65	0.0082	293.65	0.0087	0.2479	-324.6	-21.13
293.65	0.0082	293.55	0.0087	0.3301	-317.3	-21.14
293.65	0.0082	293.55	0.0087	0.4705	-308.7	-21.17
293.65	0.0082	293.65	0.0087	0.5369	-305.3	-21.16
Run no. 3						
293.65	0.0082	293.65	0.0087	0.0378	-377.3	-21.11
293.65	0.0082	293.55	0.0087	0.1283	-341.8	-21.12
293.65	0.0082	293.65	0.0087	0.2081	-329.4	-21.14
293.65	0.0082	293.75	0.0087	0.2696	-322.4	-21.13
293.65	0.0082	293.65	0.0087	0.4242	-310.7	-21.13
293.65	0.0082	293.65	0.0087	0.4314	-310.6	-21.15
293.65	0.0082	293.65	0.0087	0.5947	-302.4	-21.15
Run no. 4						
298.45	0.0082	298.55	0.0087	0.0632	-360.0	-20.82
298.45	0.0082	298.45	0.0087	0.1379	-338.6	-20.86
298.45	0.0082	298.55	0.0087	0.4705	-305.9	-20.85
298.45	0.0082	298.45	0.0087	0.5369	-302.8	-20.87
Run no. 5						
298.55	0.0082	298.55	0.0087	0.0378	-376.6	-20.84
298.55	0.0082	298.45	0.0087	0.1283	-340.7	-20.86
298.55	0.0082	298.55	0.0087	0.2081	-327.5	-20.85
298.55	0.0082	298.65	0.0087	0.2696	-320.5	-20.85
298.55	0.0082	298.65	0.0087	0.4242	-308.7	-20.85
298.55	0.0082	298.45	0.0087	0.4314	-308.6	-20.88
Run no. 6						
303.05	0.0082	303.15	0.0100	0.0798	-356.0	-20.57
303.05	0.0082	303.25	0.0100	0.1490	-338.0	-20.57
303.05	0.0082	303.25	0.0100	0.2085	-328.8	-20.57
303.05	0.0082	303.25	0.0100	0.2891	-320.4	-20.59
303.05	0.0082	303.05	0.0100	0.3210	-317.4	-20.59

Run no. 7						
303.45	0.0082	303.45	0.0100	0.0830	-354.8	-20.56
303.45	0.0082	303.45	0.0100	0.1396	-340.2	-20.58
303.45	0.0082	303.45	0.0100	0.2138	-327.9	-20.56
303.45	0.0082	303.45	0.0100	0.3688	-313.8	-20.58
Run no. 8						
313.15	0.0082	313.15	0.0100	0.0798	-353.7	-20.06
313.15	0.0082	313.15	0.0100	0.1490	-335.1	-20.06
313.15	0.0082	313.05	0.0100	0.2085	-326.1	-20.09
313.15	0.0082	313.05	0.0100	0.3210	-313.7	-20.07
Run no. 9						
313.15	0.0082	313.05	0.0100	0.0830	-352.5	-20.06
313.15	0.0082	313.25	0.0100	0.1396	-337.0	-20.05
313.15	0.0082	313.15	0.0100	0.2138	-325.1	-20.07
313.15	0.0082	313.15	0.0100	0.4125	-306.6	-20.06
313.15	0.0082	313.05	0.0100	0.5588	-298.7	-20.09
Run no. 10						
323.35	0.0102	323.35	0.0100	0.0544	-370.4	-19.59
323.35	0.0102	323.45	0.0100	0.1414	-339.8	-19.57
323.35	0.0102	323.45	0.0100	0.2070	-328.4	-19.57
323.35	0.0102	323.45	0.0100	0.2842	-319.4	-19.58
323.35	0.0102	323.45	0.0100	0.3412	-314.2	-19.58
323.35	0.0102	323.45	0.0100	0.4143	-308.5	-19.57
323.35	0.0102	323.45	0.0100	0.5598	-300.0	-19.58
Run no. 11						
323.55	0.0082	323.45	0.0100	0.1396	-334.2	-19.57
323.55	0.0082	323.45	0.0100	0.2138	-321.3	-19.56
323.55	0.0082	323.55	0.0100	0.2699	-314.4	-19.55
323.55	0.0082	323.55	0.0100	0.3688	-306.0	-19.57
323.55	0.0082	323.65	0.0100	0.4125	-302.2	-19.54
323.55	0.0082	323.65	0.0100	0.5588	-293.7	-19.55
Run no. 12						
333.25	0.0082	333.25	0.0099	0.0652	-355.3	-19.10
333.25	0.0082	333.25	0.0099	0.1258	-333.7	-19.09
333.25	0.0082	333.15	0.0099	0.2807	-309.2	-19.09
333.25	0.0082	333.15	0.0099	0.3683	-301.0	-19.09
333.25	0.0082	333.15	0.0099	0.4508	-295.3	-19.09
Run no. 13						
333.25	0.0082	333.15	0.0099	0.0816	-348.1	-19.12
333.25	0.0082	333.25	0.0099	0.1891	-321.1	-19.09
333.25	0.0082	333.15	0.0099	0.2035	-319.8	-19.12
333.25	0.0082	333.25	0.0099	0.2887	-308.6	-19.09
333.25	0.0082	333.25	0.0099	0.3528	-302.4	-19.09
333.25	0.0082	333.25	0.0099	0.4363	-296.3	-19.09
333.25	0.0082	333.25	0.0099	0.5706	-288.4	-19.09

Run no. 14

333.25	0.0082	333.25	0.0099	0.0793	-349.0	-19.11
333.25	0.0082	333.25	0.0099	0.1205	-335.8	-19.12
333.25	0.0082	333.25	0.0099	0.1879	-321.8	-19.11
333.25	0.0082	333.25	0.0099	0.3105	-306.3	-19.09
333.25	0.0082	333.25	0.0099	0.3885	-299.5	-19.08
333.25	0.0082	333.25	0.0099	0.4498	-295.4	-19.09

Run no. 15

343.15	0.0082	343.15	0.0099	0.0793	-347.0	-18.70
343.15	0.0082	343.15	0.0099	0.1205	-333.0	-18.69
343.15	0.0082	343.15	0.0099	0.1879	-318.4	-18.67
343.15	0.0082	343.25	0.0099	0.3105	-302.6	-18.66
343.15	0.0082	343.25	0.0099	0.3885	-295.7	-18.65
343.15	0.0082	343.15	0.0099	0.4498	-291.3	-18.66
343.15	0.0082	343.15	0.0099	0.5301	-286.7	-18.67

Run no. 16

349.85	0.0095	349.85	0.0092	0.0735	-349.3	-18.41
349.85	0.0095	349.85	0.0092	0.1755	-319.9	-18.38
349.85	0.0095	349.85	0.0092	0.1944	-317.5	-18.41
349.85	0.0095	349.95	0.0092	0.2519	-310.0	-18.43
349.85	0.0095	349.85	0.0092	0.4377	-291.4	-18.38
349.85	0.0095	349.85	0.0092	0.5504	-284.0	-18.37

Run no. 17

352.25	0.0082	352.15	0.0099	0.0793	-344.5	-18.32
352.25	0.0082	352.25	0.0099	0.1205	-330.4	-18.32
352.25	0.0082	352.25	0.0099	0.1879	-314.3	-18.26
352.25	0.0082	352.25	0.0099	0.3105	-297.0	-18.22
352.25	0.0082	352.25	0.0099	0.3885	-290.2	-18.22
352.25	0.0082	352.25	0.0099	0.4498	-285.7	-18.23
352.25	0.0082	352.25	0.0099	0.5301	-281.2	-18.25

Run no. 18

352.25	0.0082	352.25	0.0099	0.0816	-343.2	-18.31
352.25	0.0082	352.35	0.0099	0.1891	-314.7	-18.28
352.25	0.0082	352.35	0.0099	0.2035	-312.7	-18.29
352.25	0.0082	352.35	0.0099	0.2887	-302.0	-18.30
352.25	0.0082	352.35	0.0099	0.3528	-294.3	-18.26

Run no. 19

353.85	0.0102	353.85	0.0100	0.0544	-363.8	-18.25
353.85	0.0102	353.85	0.0100	0.1414	-330.3	-18.23
353.85	0.0102	353.75	0.0100	0.2070	-317.6	-18.22
353.85	0.0102	353.75	0.0100	0.2842	-307.7	-18.23
353.85	0.0102	353.85	0.0100	0.3412	-301.7	-18.22
353.85	0.0102	353.75	0.0100	0.4143	-295.4	-18.21
353.85	0.0102	353.75	0.0100	0.5598	-285.7	-18.20

Sarcosine

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{Sarcosine}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
Run no. 1						
293.65	0.0082	293.45	0.0100	0.1091	-416.3	-23.76
293.65	0.0082	293.75	0.0100	0.1751	-403.6	-23.75
293.65	0.0082	293.65	0.0100	0.2248	-397.0	-23.75
293.65	0.0082	293.75	0.0100	0.3094	-388.2	-23.73
293.65	0.0082	293.65	0.0100	0.3955	-381.9	-23.74
293.65	0.0082	293.75	0.0100	0.5151	-374.8	-23.73
293.65	0.0082	293.65	0.0100	0.6832	-367.6	-23.73
Run no. 2						
293.75	0.0082	293.75	0.0100	0.0709	-429.0	-23.76
293.75	0.0082	293.75	0.0100	0.1707	-404.7	-23.76
293.75	0.0082	293.75	0.0100	0.2338	-396.3	-23.76
293.75	0.0082	293.65	0.0100	0.3198	-387.8	-23.76
293.75	0.0082	293.75	0.0100	0.4159	-380.9	-23.75
293.75	0.0082	293.75	0.0100	0.5461	-374.5	-23.77
293.75	0.0082	293.75	0.0100	0.7186	-367.2	-23.76
Run no. 3						
298.55	0.0082	298.55	0.0100	0.1657	-405.0	-23.49
298.55	0.0082	298.45	0.0100	0.2172	-397.4	-23.48
298.55	0.0082	298.45	0.0100	0.3188	-387.3	-23.49
298.55	0.0082	298.45	0.0100	0.4011	-381.2	-23.49
Run no. 4						
298.65	0.0082	298.55	0.0100	0.0709	-428.6	-23.47
298.65	0.0082	298.55	0.0100	0.1707	-404.1	-23.49
298.65	0.0082	298.75	0.0100	0.2338	-395.5	-23.47
298.65	0.0082	298.65	0.0100	0.3198	-387.1	-23.47
298.65	0.0082	298.65	0.0100	0.4159	-380.2	-23.48
Run no. 5						
303.45	0.0082	303.55	0.0100	0.1657	-404.8	-23.22
303.45	0.0082	303.45	0.0100	0.2172	-397.1	-23.22
303.45	0.0082	303.45	0.0100	0.3188	-386.5	-23.21
303.45	0.0082	303.45	0.0100	0.4011	-380.5	-23.22
303.45	0.0082	303.55	0.0100	0.5964	-369.6	-23.20
303.45	0.0082	303.55	0.0100	0.6840	-366.0	-23.20
Run no. 6						
303.65	0.0082	303.65	0.0100	0.1091	-416.5	-23.21
303.65	0.0082	303.75	0.0100	0.1751	-402.9	-23.20
303.65	0.0082	303.75	0.0100	0.2248	-396.0	-23.20
303.65	0.0082	303.75	0.0100	0.3094	-387.1	-23.19
303.65	0.0082	303.65	0.0100	0.3955	-380.7	-23.20
303.65	0.0082	303.75	0.0100	0.5151	-373.4	-23.19

303.65	0.0082	303.75	0.0100	0.6832	-365.7	-23.18
Run no. 7						
313.55	0.0082	313.55	0.0100	0.1091	-416.5	-22.72
313.55	0.0082	313.65	0.0100	0.1751	-402.5	-22.70
313.55	0.0082	313.65	0.0100	0.2248	-395.3	-22.70
313.55	0.0082	313.65	0.0100	0.3094	-386.1	-22.69
313.55	0.0082	313.55	0.0100	0.3955	-379.2	-22.69
313.55	0.0082	313.55	0.0100	0.5151	-371.9	-22.69
313.55	0.0082	313.65	0.0100	0.6832	-363.9	-22.68
Run no. 8						
313.65	0.0082	313.55	0.0100	0.0709	-429.7	-22.72
313.65	0.0082	313.55	0.0100	0.1707	-403.5	-22.72
313.65	0.0082	313.65	0.0100	0.2338	-394.6	-22.71
313.65	0.0082	313.65	0.0100	0.3198	-385.3	-22.69
313.65	0.0082	313.65	0.0100	0.4159	-378.1	-22.70
313.65	0.0082	313.55	0.0100	0.5461	-370.6	-22.70
313.65	0.0082	313.55	0.0100	0.7186	-363.1	-22.71
Run no. 9						
323.55	0.0082	323.55	0.0100	0.1657	-404.4	-22.26
323.55	0.0082	323.65	0.0100	0.2172	-396.0	-22.24
323.55	0.0082	323.65	0.0100	0.3188	-384.8	-22.24
323.55	0.0082	323.65	0.0100	0.4011	-378.1	-22.23
323.55	0.0082	323.45	0.0100	0.6840	-363.1	-22.25
Run no. 10						
323.65	0.0082	323.75	0.0100	0.1707	-403.2	-22.24
323.65	0.0082	323.65	0.0100	0.2338	-393.8	-22.24
323.65	0.0082	323.75	0.0100	0.3198	-384.5	-22.22
323.65	0.0082	323.65	0.0100	0.4159	-376.9	-22.23
323.65	0.0082	323.65	0.0100	0.5461	-369.0	-22.22
323.65	0.0082	323.75	0.0100	0.7186	-361.1	-22.21
Run no. 11						
333.25	0.0082	333.15	0.0100	0.1091	-416.6	-21.82
333.25	0.0082	333.25	0.0100	0.1751	-402.0	-21.82
333.25	0.0082	333.25	0.0100	0.2248	-394.2	-21.81
333.25	0.0082	333.25	0.0100	0.3094	-384.3	-21.80
333.25	0.0082	333.25	0.0100	0.3955	-376.9	-21.79
333.25	0.0082	333.15	0.0100	0.5151	-369.0	-21.79
333.25	0.0082	333.15	0.0100	0.6832	-360.7	-21.79
Run no. 12						
333.45	0.0082	333.45	0.0100	0.1657	-403.8	-21.81
333.45	0.0082	333.35	0.0100	0.2172	-395.3	-21.81
333.45	0.0082	333.55	0.0100	0.3188	-383.6	-21.79
333.45	0.0082	333.45	0.0100	0.4011	-376.5	-21.78
333.45	0.0082	333.45	0.0100	0.5964	-364.9	-21.78
333.45	0.0082	333.45	0.0100	0.6840	-360.9	-21.78

Run no. 13

343.05	0.0082	342.95	0.0100	0.1657	-403.5	-21.42
343.05	0.0082	342.95	0.0100	0.2172	-394.5	-21.40
343.05	0.0082	343.15	0.0100	0.3188	-382.8	-21.39
343.05	0.0082	343.15	0.0100	0.4011	-375.5	-21.38
343.05	0.0082	343.05	0.0100	0.5964	-363.6	-21.39
343.05	0.0082	342.95	0.0100	0.6840	-359.4	-21.39

Run no. 14

343.05	0.0082	343.05	0.0100	0.0709	-431.1	-21.42
343.05	0.0082	343.15	0.0100	0.1707	-402.2	-21.40
343.05	0.0082	343.15	0.0100	0.2338	-392.1	-21.39
343.05	0.0082	343.05	0.0100	0.3198	-382.4	-21.39
343.05	0.0082	343.15	0.0100	0.4159	-374.0	-21.37
343.05	0.0082	343.15	0.0100	0.5461	-365.6	-21.36
343.05	0.0082	343.15	0.0100	0.7186	-356.8	-21.34

Run no. 15

350.55	0.0082	350.55	0.0100	0.1657	-403.5	-21.13
350.55	0.0082	350.65	0.0100	0.2172	-394.0	-21.09
350.55	0.0082	350.65	0.0100	0.3188	-381.3	-21.07
350.55	0.0082	350.55	0.0100	0.4011	-373.9	-21.07
350.55	0.0082	350.65	0.0100	0.5964	-362.2	-21.08
350.55	0.0082	350.65	0.0100	0.6840	-358.4	-21.09

Run no. 16

350.55	0.0082	350.65	0.0100	0.1091	-415.8	-21.08
350.55	0.0082	350.65	0.0100	0.1751	-401.8	-21.12
350.55	0.0082	350.65	0.0100	0.2248	-393.2	-21.10
350.55	0.0082	350.55	0.0100	0.3094	-383.2	-21.11
350.55	0.0082	350.65	0.0100	0.3955	-375.3	-21.09
350.55	0.0082	350.65	0.0100	0.5151	-367.0	-21.09
350.55	0.0082	350.45	0.0100	0.6832	-357.9	-21.08

6-Aminohexanoic acid

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{6\text{-Aminohexanoic acid}}$ / mol·kg^{-1}
Run no. 1				
293.85	0.0102	293.75	0.0099	0.0745
293.85	0.0102	293.85	0.0099	0.1523
293.85	0.0102	293.75	0.0099	0.2039
293.85	0.0102	293.85	0.0099	0.2857
293.85	0.0102	293.75	0.0099	0.3473
293.85	0.0102	293.75	0.0099	0.4128
293.85	0.0102	293.85	0.0099	0.5800
Run no. 2				
293.85	0.0102	293.85	0.0099	0.0701
293.85	0.0102	293.85	0.0099	0.1150
293.85	0.0102	293.85	0.0099	0.1981
293.85	0.0102	293.85	0.0099	0.2750
293.85	0.0102	293.75	0.0099	0.3582
293.85	0.0102	293.75	0.0099	0.4250
293.85	0.0102	293.75	0.0099	0.5141
Run no. 3				
293.85	0.0102	293.95	0.0099	0.0462
293.85	0.0102	293.85	0.0099	0.1357
293.85	0.0102	293.85	0.0099	0.2010
293.85	0.0102	293.85	0.0099	0.2892
293.85	0.0102	293.95	0.0099	0.3466
293.85	0.0102	293.95	0.0099	0.4220
293.85	0.0102	293.85	0.0099	0.5765
Run no. 4				
298.65	0.0102	298.65	0.0099	0.0701
298.65	0.0102	298.65	0.0099	0.1150
298.65	0.0102	298.55	0.0099	0.1981
298.65	0.0102	298.55	0.0099	0.2750
298.65	0.0102	298.65	0.0099	0.3582
298.65	0.0102	298.65	0.0099	0.4250
298.65	0.0102	298.65	0.0099	0.5141
Run no. 5				
298.65	0.0102	298.75	0.0099	0.1523
298.65	0.0102	298.75	0.0099	0.2039
298.65	0.0102	298.75	0.0099	0.2857
298.65	0.0102	298.65	0.0099	0.3473
298.65	0.0102	298.75	0.0099	0.4128
298.65	0.0102	298.75	0.0099	0.5800
Run no. 6				
298.75	0.0102	298.65	0.0099	0.0462

298.75	0.0102	298.65	0.0099	0.1357
298.75	0.0102	298.75	0.0099	0.2010
298.75	0.0102	298.75	0.0099	0.2892
298.75	0.0102	298.75	0.0099	0.3466
298.75	0.0102	298.75	0.0099	0.4220
298.75	0.0102	298.65	0.0099	0.5765
Run no. 7				
303.55	0.0102	303.55	0.0099	0.0745
303.55	0.0102	303.65	0.0099	0.1523
303.55	0.0102	303.65	0.0099	0.2039
303.55	0.0102	303.65	0.0099	0.2857
303.55	0.0102	303.55	0.0099	0.3473
303.55	0.0102	303.65	0.0099	0.4128
303.55	0.0102	303.65	0.0099	0.5800
Run no. 8				
303.65	0.0102	303.65	0.0099	0.0701
303.65	0.0102	303.65	0.0099	0.1150
303.65	0.0102	303.65	0.0099	0.1981
303.65	0.0102	303.65	0.0099	0.2750
303.65	0.0102	303.55	0.0099	0.3582
303.65	0.0102	303.65	0.0099	0.4250
303.65	0.0102	303.55	0.0099	0.5141
Run no. 9				
303.65	0.0102	303.65	0.0099	0.0462
303.65	0.0102	303.65	0.0099	0.1357
303.65	0.0102	303.65	0.0099	0.2010
303.65	0.0102	303.65	0.0099	0.2892
303.65	0.0102	303.75	0.0099	0.3466
303.65	0.0102	303.65	0.0099	0.4220
303.65	0.0102	303.55	0.0099	0.5765
Run no. 10				
313.05	0.0102	312.95	0.0099	0.0745
313.05	0.0102	313.15	0.0099	0.1523
313.05	0.0102	313.15	0.0099	0.2039
313.05	0.0102	313.15	0.0099	0.2857
313.05	0.0102	313.05	0.0099	0.3473
313.05	0.0102	313.15	0.0099	0.4128
313.05	0.0102	313.15	0.0099	0.5800
Run no. 11				
313.25	0.0102	313.35	0.0099	0.0701
313.25	0.0102	313.35	0.0099	0.1150
313.25	0.0102	313.35	0.0099	0.1981
313.25	0.0102	313.15	0.0099	0.2750
313.25	0.0102	313.25	0.0099	0.3582
313.25	0.0102	313.35	0.0099	0.4250
313.25	0.0102	313.25	0.0099	0.5141

Run no. 12

313.35	0.0102	313.45	0.0099	0.0462
313.35	0.0102	313.25	0.0099	0.1357
313.35	0.0102	313.25	0.0099	0.2010
313.35	0.0102	313.25	0.0099	0.2892
313.35	0.0102	313.35	0.0099	0.3466
313.35	0.0102	313.25	0.0099	0.4220
313.35	0.0102	313.25	0.0099	0.5765

Run no. 13

322.45	0.0102	322.55	0.0099	0.0745
322.45	0.0102	322.55	0.0099	0.1523
322.45	0.0102	322.35	0.0099	0.2039
322.45	0.0102	322.55	0.0099	0.2857
322.45	0.0102	322.45	0.0099	0.3473
322.45	0.0102	322.35	0.0099	0.4128
322.45	0.0102	322.45	0.0099	0.5800

Run no. 14

322.45	0.0102	322.45	0.0099	0.0701
322.45	0.0102	322.55	0.0099	0.1150
322.45	0.0102	322.55	0.0099	0.1981
322.45	0.0102	322.55	0.0099	0.2750
322.45	0.0102	322.55	0.0099	0.3582
322.45	0.0102	322.55	0.0099	0.4250
322.45	0.0102	322.55	0.0099	0.5141

Run no. 15

322.75	0.0102	322.75	0.0099	0.0462
322.75	0.0102	322.65	0.0099	0.1357
322.75	0.0102	322.75	0.0099	0.2010
322.75	0.0102	322.75	0.0099	0.2892
322.75	0.0102	322.75	0.0099	0.3466
322.75	0.0102	322.65	0.0099	0.4220
322.75	0.0102	322.75	0.0099	0.5765

Run no. 16

334.15	0.0102	334.05	0.0099	0.0462
334.15	0.0102	334.05	0.0099	0.1357
334.15	0.0102	334.15	0.0099	0.2010
334.15	0.0102	334.15	0.0099	0.2892
334.15	0.0102	334.15	0.0099	0.3466
334.15	0.0102	334.15	0.0099	0.4220
334.15	0.0102	334.15	0.0099	0.5765

Run no. 17

334.15	0.0102	334.15	0.0099	0.0701
334.15	0.0102	334.15	0.0099	0.1150
334.15	0.0102	334.15	0.0099	0.1981
334.15	0.0102	334.15	0.0099	0.2750
334.15	0.0102	334.15	0.0099	0.3582
334.15	0.0102	334.15	0.0099	0.4250

334.15	0.0102	334.15	0.0099	0.5141
Run no. 18				
343.85	0.0102	343.75	0.0099	0.0701
343.85	0.0102	343.85	0.0099	0.1150
343.85	0.0102	343.75	0.0099	0.1981
343.85	0.0102	343.75	0.0099	0.2750
343.85	0.0102	343.85	0.0099	0.3582
343.85	0.0102	343.85	0.0099	0.4250
343.85	0.0102	343.85	0.0099	0.5141
Run no. 19				
343.85	0.0102	343.75	0.0099	0.0462
343.85	0.0102	343.85	0.0099	0.1357
343.85	0.0102	343.95	0.0099	0.2010
343.85	0.0102	343.95	0.0099	0.2892
343.85	0.0102	343.85	0.0099	0.3466
343.85	0.0102	343.85	0.0099	0.4220
343.85	0.0102	343.85	0.0099	0.5765
Run no. 20				
353.15	0.0102	353.15	0.0099	0.0462
353.15	0.0102	353.15	0.0099	0.1357
353.15	0.0102	353.15	0.0099	0.2010
353.15	0.0102	353.15	0.0099	0.2892
353.15	0.0102	353.25	0.0099	0.3466
353.15	0.0102	353.25	0.0099	0.4220
353.15	0.0102	353.15	0.0099	0.5765
Run no. 21				
353.25	0.0102	353.25	0.0099	0.0701
353.25	0.0102	353.25	0.0099	0.1150
353.25	0.0102	353.25	0.0099	0.1981
353.25	0.0102	353.25	0.0099	0.2750
353.25	0.0102	353.15	0.0099	0.3582
353.25	0.0102	353.25	0.0099	0.4250
353.25	0.0102	353.25	0.0099	0.5141

$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
-477.5	-25.33
-457.5	-25.32
-449.7	-25.32
-440.7	-25.31
-435.5	-25.32
-431.1	-25.32
-422.3	-25.31
-479.1	-25.32
-465.3	-25.32
-450.4	-25.31
-441.7	-25.31
-434.8	-25.32
-430.3	-25.32
-425.5	-25.32
-491.7	-25.31
-460.9	-25.33
-450.3	-25.33
-440.8	-25.33
-435.8	-25.31
-430.7	-25.31
-422.7	-25.32
-477.7	-24.96
-463.6	-24.96
-448.6	-24.97
-439.7	-24.96
-432.6	-24.95
-427.9	-24.94
-422.9	-24.94
-455.5	-24.94
-447.6	-24.94
-438.4	-24.94
-433.3	-24.95
-428.7	-24.94
-419.6	-24.93
-490.3	-24.96

-458.9	-24.96
-447.9	-24.94
-438.1	-24.94
-433.4	-24.94
-428.3	-24.95
-420.2	-24.96
-474.1	-24.59
-453.3	-24.57
-445.4	-24.58
-436.1	-24.57
-430.9	-24.58
-426.2	-24.57
-417.0	-24.57
-475.7	-24.58
-461.4	-24.58
-446.1	-24.57
-437.1	-24.57
-429.9	-24.58
-425.2	-24.57
-420.3	-24.58
-488.3	-24.56
-456.5	-24.57
-445.7	-24.58
-435.6	-24.57
-430.7	-24.56
-425.6	-24.58
-417.5	-24.59
-470.6	-23.92
-448.9	-23.88
-440.6	-23.88
-431.1	-23.88
-425.8	-23.89
-421.4	-23.90
-411.7	-23.89
-471.9	-23.87
-457.3	-23.88
-441.2	-23.87
-432.3	-23.89
-424.8	-23.88
-420.2	-23.88
-415.1	-23.89

-485.1	-23.86
-452.5	-23.89
-441.3	-23.89
-430.9	-23.89
-425.4	-23.86
-420.5	-23.89
-412.0	-23.89
-466.8	-23.26
-444.6	-23.24
-435.7	-23.24
-425.8	-23.23
-420.3	-23.24
-415.6	-23.25
-405.9	-23.24
-468.6	-23.26
-453.3	-23.26
-437.0	-23.25
-427.3	-23.24
-419.9	-23.25
-415.0	-23.25
-410.4	-23.28
-482.1	-23.23
-448.2	-23.25
-436.4	-23.23
-425.5	-23.22
-420.5	-23.23
-414.7	-23.23
-405.9	-23.22
-478.0	-22.51
-442.6	-22.50
-430.8	-22.50
-419.5	-22.49
-413.8	-22.48
-408.1	-22.48
-399.2	-22.49
-464.0	-22.51
-448.3	-22.52
-431.3	-22.51
-421.0	-22.49
-412.9	-22.48
-408.3	-22.50

-403.5	-22.52
-459.2	-21.90
-443.4	-21.91
-425.4	-21.89
-415.1	-21.88
-406.5	-21.86
-402.1	-21.89
-397.4	-21.92
-474.0	-21.90
-437.1	-21.88
-424.6	-21.87
-412.9	-21.85
-408.7	-21.90
-402.3	-21.89
-393.4	-21.90
-470.6	-21.36
-433.3	-21.36
-421.2	-21.38
-409.7	-21.38
-404.2	-21.38
-398.6	-21.40
-389.8	-21.44
-456.6	-21.39
-440.4	-21.41
-422.6	-21.41
-412.0	-21.40
-402.8	-21.38
-397.9	-21.39
-393.2	-21.43

DL-Methionine

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{DL\text{-}Methionine}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV
Run no. 1					
293.35	0.0099	293.45	0.0097	0.0128	-455.8
293.35	0.0099	293.35	0.0097	0.0278	-410.3
293.35	0.0099	293.35	0.0097	0.0579	-385.8
293.35	0.0099	293.35	0.0097	0.0719	-378.5
293.35	0.0099	293.45	0.0097	0.1293	-362.2
293.35	0.0099	293.45	0.0097	0.1771	-353.6
Run no. 2					
293.35	0.0099	293.55	0.0097	0.0121	-462.4
293.35	0.0099	293.45	0.0097	0.0187	-428.1
293.35	0.0099	293.45	0.0097	0.0227	-418.7
293.35	0.0099	293.45	0.0097	0.0292	-408.4
293.35	0.0099	293.45	0.0097	0.0458	-392.7
293.35	0.0099	293.45	0.0097	0.0663	-381.1
Run no. 3					
293.55	0.0099	293.55	0.0097	0.0178	-431.8
293.55	0.0099	293.45	0.0097	0.0208	-422.6
293.55	0.0099	293.55	0.0097	0.0297	-407.8
293.55	0.0099	293.45	0.0097	0.0359	-401.1
293.55	0.0099	293.45	0.0097	0.0546	-387.4
293.55	0.0099	293.45	0.0097	0.0841	-374.8
Run no. 4					
298.35	0.0099	298.45	0.0097	0.0128	-455.9
298.35	0.0099	298.35	0.0097	0.0278	-409.8
298.35	0.0099	298.15	0.0097	0.0579	-384.9
298.35	0.0099	298.25	0.0097	0.0719	-377.9
298.35	0.0099	298.55	0.0097	0.1293	-360.8
298.35	0.0099	298.35	0.0097	0.1771	-352.4
Run no. 5					
298.45	0.0099	298.55	0.0097	0.0178	-431.2
298.45	0.0099	298.35	0.0097	0.0208	-422.6
298.45	0.0099	298.55	0.0097	0.0297	-406.9
298.45	0.0099	298.45	0.0097	0.0359	-399.9
298.45	0.0099	298.35	0.0097	0.0546	-386.5
298.45	0.0099	298.35	0.0097	0.0841	-373.4
Run no. 6					
298.55	0.0099	298.65	0.0097	0.0121	-462.1
298.55	0.0099	298.55	0.0097	0.0187	-427.4
298.55	0.0099	298.55	0.0097	0.0227	-418.1
298.55	0.0099	298.45	0.0097	0.0292	-407.5
298.55	0.0099	298.65	0.0097	0.0458	-391.4

298.55	0.0099	298.75	0.0097	0.0663	-379.6
Run no. 7					
303.15	0.0099	303.25	0.0097	0.0128	-455.9
303.15	0.0099	303.25	0.0097	0.0278	-409.2
303.15	0.0099	303.25	0.0097	0.0579	-383.7
303.15	0.0099	303.25	0.0097	0.0719	-376.5
303.15	0.0099	303.25	0.0097	0.1293	-359.1
303.15	0.0099	303.25	0.0097	0.1771	-350.6
Run no. 8					
303.25	0.0099	303.25	0.0097	0.0121	-462.2
303.25	0.0099	303.35	0.0097	0.0187	-427.2
303.25	0.0099	303.35	0.0097	0.0227	-417.6
303.25	0.0099	303.35	0.0097	0.0292	-406.9
303.25	0.0099	303.35	0.0097	0.0458	-390.4
303.25	0.0099	303.35	0.0097	0.0663	-378.5
Run no. 9					
303.35	0.0099	303.35	0.0097	0.0178	-431.4
303.35	0.0099	303.05	0.0097	0.0208	-422.5
303.35	0.0099	303.35	0.0097	0.0297	-406.8
303.35	0.0099	303.25	0.0097	0.0359	-399.6
303.35	0.0099	303.35	0.0097	0.0546	-385.6
303.35	0.0099	303.35	0.0097	0.0841	-372.5
Run no. 10					
312.95	0.0099	313.05	0.0097	0.0121	-462.9
312.95	0.0099	313.05	0.0097	0.0187	-426.8
312.95	0.0099	312.95	0.0097	0.0227	-416.8
312.95	0.0099	312.95	0.0097	0.0292	-405.8
312.95	0.0099	312.95	0.0097	0.0458	-389.1
312.95	0.0099	313.05	0.0097	0.0663	-376.9
Run no. 11					
312.95	0.0099	313.05	0.0097	0.0128	-456.4
312.95	0.0099	312.95	0.0097	0.0278	-408.0
312.95	0.0099	312.95	0.0097	0.0579	-381.8
312.95	0.0099	312.95	0.0097	0.0719	-374.7
312.95	0.0099	313.15	0.0097	0.1293	-356.6
312.95	0.0099	313.05	0.0097	0.1771	-347.6
Run no. 12					
313.05	0.0099	313.05	0.0097	0.0178	-431.0
313.05	0.0099	312.95	0.0097	0.0208	-421.6
313.05	0.0099	313.15	0.0097	0.0297	-405.5
313.05	0.0099	313.05	0.0097	0.0359	-398.1
313.05	0.0099	313.05	0.0097	0.0546	-383.8
313.05	0.0099	313.15	0.0097	0.0841	-369.8
Run no. 13					
323.25	0.0099	323.25	0.0097	0.0178	-430.5

323.25	0.0099	323.35	0.0097	0.0208	-420.4
323.25	0.0099	323.35	0.0097	0.0297	-404.2
323.25	0.0099	323.35	0.0097	0.0359	-396.4
323.25	0.0099	323.35	0.0097	0.0546	-381.5
323.25	0.0099	323.35	0.0097	0.0841	-367.3
Run no. 14					
323.55	0.0099	323.45	0.0097	0.0121	-463.2
323.55	0.0099	323.55	0.0097	0.0187	-426.2
323.55	0.0099	323.55	0.0097	0.0227	-415.8
323.55	0.0099	323.55	0.0097	0.0292	-404.5
323.55	0.0099	323.45	0.0097	0.0458	-387.3
323.55	0.0099	323.45	0.0097	0.0663	-375.0
Run no. 15					
323.55	0.0099	323.55	0.0097	0.0128	-456.9
323.55	0.0099	323.55	0.0097	0.0278	-407.0
323.55	0.0099	323.55	0.0097	0.0579	-379.7
323.55	0.0099	323.55	0.0097	0.0719	-372.1
323.55	0.0099	323.45	0.0097	0.1293	-354.1
323.55	0.0099	323.45	0.0097	0.1771	-344.7
Run no. 16					
333.35	0.0099	333.35	0.0097	0.0121	-463.4
333.35	0.0099	333.35	0.0097	0.0187	-425.7
333.35	0.0099	333.35	0.0097	0.0227	-415.1
333.35	0.0099	333.35	0.0097	0.0292	-403.7
333.35	0.0099	333.35	0.0097	0.0458	-386.1
333.35	0.0099	333.25	0.0097	0.0663	-373.6
Run no. 17					
333.35	0.0099	333.35	0.0097	0.0178	-430.0
333.35	0.0099	333.45	0.0097	0.0208	-419.6
333.35	0.0099	333.45	0.0097	0.0297	-402.7
333.35	0.0099	333.45	0.0097	0.0359	-395.1
333.35	0.0099	333.45	0.0097	0.0546	-379.9
333.35	0.0099	333.35	0.0097	0.0841	-364.8
Run no. 18					
333.45	0.0099	333.45	0.0097	0.0128	-456.6
333.45	0.0099	333.45	0.0097	0.0278	-405.6
333.45	0.0099	333.45	0.0097	0.0579	-377.7
333.45	0.0099	333.35	0.0097	0.0719	-370.2
333.45	0.0099	333.45	0.0097	0.1293	-351.5
333.45	0.0099	333.45	0.0097	0.1771	-341.7
Run no. 19					
343.15	0.0099	343.05	0.0097	0.0121	-464.0
343.15	0.0099	343.15	0.0097	0.0187	-425.6
343.15	0.0099	343.15	0.0097	0.0227	-414.7
343.15	0.0099	343.15	0.0097	0.0292	-402.9
343.15	0.0099	343.05	0.0097	0.0458	-384.9

343.15	0.0099	343.05	0.0097	0.0663	-371.7
Run no. 20					
343.15	0.0099	343.25	0.0097	0.0178	-430.0
343.15	0.0099	343.25	0.0097	0.0208	-418.9
343.15	0.0099	343.25	0.0097	0.0297	-401.6
343.15	0.0099	343.15	0.0097	0.0359	-393.3
343.15	0.0099	343.15	0.0097	0.0546	-377.4
343.15	0.0099	343.05	0.0097	0.0841	-362.6
Run no. 21					
343.25	0.0099	343.25	0.0097	0.0128	-457.3
343.25	0.0099	343.25	0.0097	0.0278	-405.4
343.25	0.0099	343.25	0.0097	0.0579	-376.5
343.25	0.0099	343.25	0.0097	0.0719	-368.9
343.25	0.0099	343.15	0.0097	0.1293	-349.6
343.25	0.0099	343.15	0.0097	0.1771	-339.4
Run no. 22					
353.25	0.0099	353.35	0.0097	0.0208	-419.7
353.25	0.0099	353.35	0.0097	0.0297	-402.0
353.25	0.0099	353.35	0.0097	0.0359	-393.6
353.25	0.0099	353.35	0.0097	0.0546	-377.5
353.25	0.0099	353.35	0.0097	0.0841	-361.7
Run no. 23					
353.35	0.0099	353.25	0.0097	0.0121	-466.1
353.35	0.0099	353.25	0.0097	0.0187	-426.6
353.35	0.0099	353.25	0.0097	0.0227	-414.9
353.35	0.0099	353.25	0.0097	0.0292	-402.8
353.35	0.0099	353.25	0.0097	0.0458	-384.4
353.35	0.0099	353.25	0.0097	0.0663	-370.7
Run no. 24					
353.35	0.0099	353.25	0.0097	0.0128	-458.9
353.35	0.0099	353.35	0.0097	0.0278	-405.9
353.35	0.0099	353.35	0.0097	0.0579	-375.5
353.35	0.0099	353.35	0.0097	0.0719	-367.9
353.35	0.0099	353.25	0.0097	0.1293	-347.9
353.35	0.0099	353.25	0.0097	0.1771	-337.4

$\ln(K_{2,exp})$ / -

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-18.78

Glycine

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{Glycine}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
Run no. 1						
293.05	0.0099	293.15	0.0100	0.0393	-427.5	-22.82
293.05	0.0099	293.05	0.0100	0.0660	-411.8	-22.86
293.05	0.0099	293.05	0.0100	0.0824	-406.5	-22.90
293.05	0.0099	293.05	0.0100	0.1597	-388.5	-22.91
293.05	0.0099	293.05	0.0100	0.2407	-377.7	-22.92
293.05	0.0099	293.15	0.0100	0.3471	-368.0	-22.91
293.05	0.0099	293.15	0.0100	0.4049	-364.0	-22.91
Run no. 2						
293.05	0.0099	293.15	0.0100	0.0411	-425.4	-22.80
293.05	0.0099	293.15	0.0100	0.0647	-411.4	-22.81
293.05	0.0099	293.15	0.0100	0.0879	-402.7	-22.82
293.05	0.0099	293.05	0.0100	0.1589	-387.6	-22.87
293.05	0.0099	293.05	0.0100	0.2519	-375.1	-22.86
293.05	0.0099	293.05	0.0100	0.3355	-367.9	-22.88
293.05	0.0099	293.15	0.0100	0.4179	-362.4	-22.88
Run no. 3						
293.05	0.0099	293.15	0.0100	0.0429	-425.2	-22.85
293.05	0.0099	293.15	0.0100	0.0653	-412.7	-22.87
293.05	0.0099	293.15	0.0100	0.0865	-404.7	-22.88
293.05	0.0099	293.15	0.0100	0.1649	-387.3	-22.89
293.05	0.0099	293.15	0.0100	0.2341	-378.2	-22.90
293.05	0.0099	293.05	0.0100	0.3455	-368.6	-22.93
293.05	0.0099	293.15	0.0100	0.4023	-365.3	-22.96
Run no. 4						
298.25	0.0099	298.25	0.0100	0.0429	-423.4	-22.49
298.25	0.0099	298.25	0.0100	0.0653	-410.2	-22.50
298.25	0.0099	298.25	0.0100	0.0865	-402.1	-22.51
298.25	0.0099	298.15	0.0100	0.1649	-384.5	-22.53
298.25	0.0099	298.35	0.0100	0.2341	-375.1	-22.52
298.25	0.0099	298.25	0.0100	0.3455	-365.3	-22.55
298.25	0.0099	298.25	0.0100	0.4023	-361.7	-22.57
Run no. 5						
298.25	0.0099	298.25	0.0100	0.0393	-425.9	-22.48
298.25	0.0099	298.25	0.0100	0.0660	-409.7	-22.49
298.25	0.0099	298.25	0.0100	0.0824	-403.6	-22.51
298.25	0.0099	298.25	0.0100	0.1597	-385.1	-22.52
298.25	0.0099	298.15	0.0100	0.2407	-374.5	-22.54
298.25	0.0099	298.25	0.0100	0.3471	-365.0	-22.55
298.25	0.0099	298.35	0.0100	0.4049	-361.1	-22.55
Run no. 6						

298.25	0.0099	298.25	0.0100	0.0411	-423.7	-22.45
298.25	0.0099	298.25	0.0100	0.0647	-409.4	-22.46
298.25	0.0099	298.35	0.0100	0.0879	-400.3	-22.45
298.25	0.0099	298.25	0.0100	0.1589	-384.2	-22.48
298.25	0.0099	298.35	0.0100	0.2519	-371.8	-22.47
298.25	0.0099	298.25	0.0100	0.3355	-364.7	-22.50
298.25	0.0099	298.35	0.0100	0.4179	-359.1	-22.50
Run no. 7						
302.95	0.0099	302.85	0.0100	0.0411	-423.7	-22.20
302.95	0.0099	302.95	0.0100	0.0647	-409.0	-22.19
302.95	0.0099	303.05	0.0100	0.0879	-399.7	-22.19
302.95	0.0099	302.95	0.0100	0.1589	-383.2	-22.21
302.95	0.0099	302.95	0.0100	0.2519	-370.9	-22.22
302.95	0.0099	302.95	0.0100	0.3355	-363.3	-22.23
302.95	0.0099	303.05	0.0100	0.4179	-357.5	-22.22
Run no. 8						
303.05	0.0099	303.05	0.0100	0.0393	-425.2	-22.19
303.05	0.0099	303.05	0.0100	0.0660	-408.6	-22.20
303.05	0.0099	302.95	0.0100	0.0824	-402.4	-22.22
303.05	0.0099	302.95	0.0100	0.1597	-383.3	-22.22
303.05	0.0099	302.95	0.0100	0.2407	-372.4	-22.23
303.05	0.0099	302.95	0.0100	0.3471	-362.7	-22.24
303.05	0.0099	303.05	0.0100	0.4049	-358.8	-22.24
Run no. 9						
303.15	0.0099	303.15	0.0100	0.0429	-423.2	-22.22
303.15	0.0099	303.15	0.0100	0.0653	-409.9	-22.23
303.15	0.0099	303.05	0.0100	0.0865	-401.5	-22.24
303.15	0.0099	303.05	0.0100	0.1649	-383.6	-22.26
303.15	0.0099	303.25	0.0100	0.2341	-373.9	-22.24
303.15	0.0099	303.05	0.0100	0.3455	-363.9	-22.28
303.15	0.0099	303.05	0.0100	0.4023	-360.3	-22.30
Run no. 10						
312.95	0.0099	312.95	0.0100	0.0429	-423.2	-21.72
312.95	0.0099	312.95	0.0100	0.0653	-409.4	-21.72
312.95	0.0099	313.05	0.0100	0.0865	-400.6	-21.72
312.95	0.0099	313.05	0.0100	0.1649	-381.9	-21.73
312.95	0.0099	313.05	0.0100	0.2341	-372.1	-21.73
312.95	0.0099	312.95	0.0100	0.3455	-361.6	-21.75
312.95	0.0099	312.95	0.0100	0.4023	-357.7	-21.77
Run no. 11						
312.95	0.0099	312.95	0.0100	0.0411	-423.5	-21.67
312.95	0.0099	313.05	0.0100	0.0647	-408.1	-21.66
312.95	0.0099	313.05	0.0100	0.0879	-398.6	-21.66
312.95	0.0099	313.05	0.0100	0.1589	-381.4	-21.67
312.95	0.0099	312.95	0.0100	0.2519	-368.6	-21.69
312.95	0.0099	312.95	0.0100	0.3355	-360.8	-21.69
312.95	0.0099	312.95	0.0100	0.4179	-354.7	-21.69

Run no. 12

313.05	0.0099	313.05	0.0100	0.0393	-425.1	-21.67
313.05	0.0099	313.05	0.0100	0.0660	-408.1	-21.69
313.05	0.0099	312.85	0.0100	0.0824	-401.8	-21.72
313.05	0.0099	312.85	0.0100	0.1597	-382.4	-21.72
313.05	0.0099	312.75	0.0100	0.2407	-371.0	-21.74
313.05	0.0099	312.95	0.0100	0.3471	-360.4	-21.71
313.05	0.0099	312.95	0.0100	0.4049	-356.4	-21.72

Run no. 13

322.95	0.0099	323.05	0.0100	0.0411	-423.2	-21.17
322.95	0.0099	322.95	0.0100	0.0647	-407.5	-21.18
322.95	0.0099	322.95	0.0100	0.0879	-397.6	-21.18
322.95	0.0099	322.95	0.0100	0.1589	-379.8	-21.18
322.95	0.0099	322.95	0.0100	0.2519	-366.2	-21.18
322.95	0.0099	322.95	0.0100	0.3355	-358.2	-21.19
322.95	0.0099	322.85	0.0100	0.4179	-352.2	-21.21

Run no. 14

322.95	0.0099	323.05	0.0100	0.0429	-421.4	-21.17
322.95	0.0099	323.05	0.0100	0.0653	-406.8	-21.16
322.95	0.0099	323.05	0.0100	0.0865	-397.8	-21.16
322.95	0.0099	323.05	0.0100	0.1649	-378.4	-21.17
322.95	0.0099	323.05	0.0100	0.2341	-368.4	-21.18
322.95	0.0099	323.05	0.0100	0.3455	-357.1	-21.18
322.95	0.0099	323.05	0.0100	0.4023	-352.8	-21.18

Run no. 15

323.15	0.0099	323.05	0.0100	0.0393	-424.6	-21.17
323.15	0.0099	323.05	0.0100	0.0660	-406.9	-21.18
323.15	0.0099	323.15	0.0100	0.0824	-399.9	-21.18
323.15	0.0099	323.15	0.0100	0.1597	-379.5	-21.17
323.15	0.0099	323.05	0.0100	0.2407	-367.4	-21.17
323.15	0.0099	323.05	0.0100	0.3471	-357.3	-21.19
323.15	0.0099	323.05	0.0100	0.4049	-353.0	-21.19

Run no. 16

333.25	0.0099	333.25	0.0100	0.0411	-422.3	-20.68
333.25	0.0099	333.15	0.0100	0.0647	-406.6	-20.71
333.25	0.0099	333.25	0.0100	0.0879	-396.4	-20.70
333.25	0.0099	333.25	0.0100	0.1589	-377.7	-20.70
333.25	0.0099	333.25	0.0100	0.2519	-363.8	-20.70
333.25	0.0099	333.15	0.0100	0.3355	-355.7	-20.72
333.25	0.0099	333.15	0.0100	0.4179	-349.5	-20.73

Run no. 17

333.25	0.0099	333.25	0.0100	0.0429	-420.9	-20.69
333.25	0.0099	333.25	0.0100	0.0653	-405.7	-20.68
333.25	0.0099	333.25	0.0100	0.0865	-396.3	-20.68
333.25	0.0099	333.25	0.0100	0.1649	-376.3	-20.69
333.25	0.0099	333.25	0.0100	0.2341	-365.5	-20.68

333.25	0.0099	333.25	0.0100	0.3455	-353.9	-20.68
333.25	0.0099	333.25	0.0100	0.4023	-349.8	-20.69
Run no. 18						
333.35	0.0099	333.25	0.0100	0.0393	-424.1	-20.69
333.35	0.0099	333.35	0.0100	0.0660	-405.7	-20.69
333.35	0.0099	333.25	0.0100	0.0824	-398.4	-20.70
333.35	0.0099	333.25	0.0100	0.1597	-377.1	-20.68
333.35	0.0099	333.25	0.0100	0.2407	-364.9	-20.69
333.35	0.0099	333.25	0.0100	0.3471	-354.4	-20.70
333.35	0.0099	333.25	0.0100	0.4049	-349.8	-20.70
Run no. 19						
343.15	0.0099	343.05	0.0100	0.0411	-422.4	-20.27
343.15	0.0099	343.05	0.0100	0.0647	-405.7	-20.27
343.15	0.0099	343.05	0.0100	0.0879	-395.2	-20.27
343.15	0.0099	343.05	0.0100	0.1589	-376.2	-20.27
343.15	0.0099	343.05	0.0100	0.2519	-361.9	-20.28
343.15	0.0099	343.05	0.0100	0.3355	-353.3	-20.28
Run no. 20						
343.15	0.0099	343.15	0.0100	0.0429	-419.9	-20.24
343.15	0.0099	343.15	0.0100	0.0653	-403.9	-20.22
343.15	0.0099	343.05	0.0100	0.0865	-393.9	-20.21
343.15	0.0099	343.15	0.0100	0.1649	-373.4	-20.21
343.15	0.0099	343.15	0.0100	0.2341	-363.0	-20.23
343.15	0.0099	343.25	0.0100	0.3455	-350.7	-20.21
343.15	0.0099	343.25	0.0100	0.4023	-346.2	-20.22
Run no. 21						
343.15	0.0099	343.25	0.0100	0.0393	-424.2	-20.27
343.15	0.0099	343.25	0.0100	0.0660	-405.2	-20.27
343.15	0.0099	343.25	0.0100	0.0824	-397.5	-20.27
343.15	0.0099	343.25	0.0100	0.1597	-375.6	-20.25
343.15	0.0099	343.15	0.0100	0.2407	-362.8	-20.25
343.15	0.0099	343.15	0.0100	0.3471	-352.6	-20.29
343.15	0.0099	343.15	0.0100	0.4049	-347.7	-20.28
Run no. 22						
353.55	0.0099	353.55	0.0100	0.0429	-419.8	-19.83
353.55	0.0099	353.55	0.0100	0.0653	-403.7	-19.81
353.55	0.0099	353.55	0.0100	0.0865	-393.6	-19.81
353.55	0.0099	353.65	0.0100	0.1649	-372.6	-19.82
353.55	0.0099	353.65	0.0100	0.2341	-361.7	-19.83
353.55	0.0099	353.65	0.0100	0.3455	-348.9	-19.81
353.55	0.0099	353.65	0.0100	0.4023	-344.1	-19.81
Run no. 23						
353.65	0.0099	353.65	0.0100	0.0411	-422.2	-19.84
353.65	0.0099	353.65	0.0100	0.0647	-404.8	-19.84
353.65	0.0099	353.65	0.0100	0.0879	-393.8	-19.83
353.65	0.0099	353.65	0.0100	0.1589	-373.9	-19.83

353.65	0.0099	353.65	0.0100	0.2519	-359.3	-19.83
Run no. 24						
353.75	0.0099	353.75	0.0100	0.0393	-423.5	-19.83
353.75	0.0099	353.75	0.0100	0.0660	-404.2	-19.84
353.75	0.0099	353.75	0.0100	0.0824	-396.0	-19.82
353.75	0.0099	353.75	0.0100	0.1597	-373.8	-19.82
353.75	0.0099	353.75	0.0100	0.2407	-360.3	-19.81
353.75	0.0099	353.75	0.0100	0.3471	-349.5	-19.84
353.75	0.0099	353.75	0.0100	0.4049	-344.8	-19.84

L-Phenylalanine

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{L\text{-Phenylalanine}}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV
Run no. 1					
292.85	0.0098	292.85	0.0099	0.0263	-412.2
292.85	0.0098	292.85	0.0099	0.0321	-405.8
292.85	0.0098	292.85	0.0099	0.0492	-390.8
292.85	0.0098	292.85	0.0099	0.0833	-374.6
292.85	0.0098	292.75	0.0099	0.1067	-367.6
292.85	0.0098	292.75	0.0099	0.1700	-355.0
Run no. 2					
293.25	0.0098	293.15	0.0099	0.0387	-398.3
293.25	0.0098	293.15	0.0099	0.0437	-393.5
293.25	0.0098	293.25	0.0099	0.0632	-381.9
293.25	0.0098	293.15	0.0099	0.0876	-372.3
293.25	0.0098	293.15	0.0099	0.1366	-359.3
Run no. 3					
298.05	0.0098	298.05	0.0099	0.0222	-421.3
298.05	0.0098	298.15	0.0099	0.0387	-397.7
298.05	0.0098	298.15	0.0099	0.0607	-382.7
298.05	0.0098	298.05	0.0099	0.0892	-371.2
298.05	0.0098	298.05	0.0099	0.1028	-366.9
298.05	0.0098	298.05	0.0099	0.1237	-361.5
Run no. 4					
298.25	0.0098	298.35	0.0099	0.0321	-404.6
298.25	0.0098	298.25	0.0099	0.0492	-389.7
298.25	0.0098	298.35	0.0099	0.0653	-380.3
298.25	0.0098	298.25	0.0099	0.0833	-372.8
298.25	0.0098	298.15	0.0099	0.1067	-365.8
298.25	0.0098	298.25	0.0099	0.1227	-361.7
Run no. 5					
298.45	0.0098	298.45	0.0099	0.0263	-412.5
298.45	0.0098	298.45	0.0099	0.0387	-398.1
298.45	0.0098	298.35	0.0099	0.0437	-394.4
298.45	0.0098	298.35	0.0099	0.0632	-382.0
298.45	0.0098	298.35	0.0099	0.0876	-371.9
298.45	0.0098	298.35	0.0099	0.1366	-359.0
Run no. 6					
302.85	0.0098	302.85	0.0099	0.0222	-420.9
302.85	0.0098	302.95	0.0099	0.0387	-396.8
302.85	0.0098	302.95	0.0099	0.0607	-381.6
302.85	0.0098	302.95	0.0099	0.0892	-369.7
302.85	0.0098	302.85	0.0099	0.1028	-365.5
302.85	0.0098	302.95	0.0099	0.1237	-360.0

Run no. 7					
302.95	0.0098	303.05	0.0099	0.0321	-404.0
302.95	0.0098	302.95	0.0099	0.0492	-388.8
302.95	0.0098	302.95	0.0099	0.0653	-379.6
302.95	0.0098	302.85	0.0099	0.0833	-372.2
302.95	0.0098	302.85	0.0099	0.1067	-364.7
302.95	0.0098	303.05	0.0099	0.1227	-360.5
Run no. 8					
303.15	0.0098	303.05	0.0099	0.0263	-412.2
303.15	0.0098	303.15	0.0099	0.0387	-397.1
303.15	0.0098	303.05	0.0099	0.0437	-393.4
303.15	0.0098	303.05	0.0099	0.0632	-380.8
303.15	0.0098	303.05	0.0099	0.0876	-370.4
303.15	0.0098	303.15	0.0099	0.1366	-357.2
Run no. 9					
312.95	0.0098	313.05	0.0099	0.0263	-410.9
312.95	0.0098	313.05	0.0099	0.0387	-395.4
312.95	0.0098	313.05	0.0099	0.0437	-391.4
312.95	0.0098	313.05	0.0099	0.0632	-378.4
312.95	0.0098	312.95	0.0099	0.0876	-367.9
312.95	0.0098	313.05	0.0099	0.1366	-354.4
312.95	0.0098	313.05	0.0099	0.1700	-347.8
Run no. 10					
313.05	0.0098	313.05	0.0099	0.0222	-420.2
313.05	0.0098	313.05	0.0099	0.0387	-395.5
313.05	0.0098	313.05	0.0099	0.0607	-379.8
313.05	0.0098	313.05	0.0099	0.0892	-367.5
313.05	0.0098	313.05	0.0099	0.1028	-362.8
313.05	0.0098	313.15	0.0099	0.1237	-357.2
313.05	0.0098	313.15	0.0099	0.1470	-352.3
Run no. 11					
313.15	0.0098	313.05	0.0099	0.0321	-403.1
313.15	0.0098	313.05	0.0099	0.0492	-387.0
313.15	0.0098	313.15	0.0099	0.0653	-377.4
313.15	0.0098	313.05	0.0099	0.0833	-369.6
313.15	0.0098	313.05	0.0099	0.1067	-361.9
313.15	0.0098	313.05	0.0099	0.1227	-357.9
313.15	0.0098	313.15	0.0099	0.1524	-351.2
Run no. 12					
322.75	0.0098	322.85	0.0099	0.0263	-409.9
322.75	0.0098	322.75	0.0099	0.0387	-394.0
322.75	0.0098	322.85	0.0099	0.0437	-389.7
322.75	0.0098	322.75	0.0099	0.0632	-376.4
322.75	0.0098	322.85	0.0099	0.0876	-365.6
322.75	0.0098	322.85	0.0099	0.1366	-351.7
322.75	0.0098	322.85	0.0099	0.1700	-345.0

Run no. 13

322.85	0.0098	322.85	0.0099	0.0222	-419.4
322.85	0.0098	322.85	0.0099	0.0387	-394.1
322.85	0.0098	322.85	0.0099	0.0607	-377.8
322.85	0.0098	322.85	0.0099	0.0892	-365.1
322.85	0.0098	322.85	0.0099	0.1028	-360.3
322.85	0.0098	322.85	0.0099	0.1237	-354.4
322.85	0.0098	322.85	0.0099	0.1470	-349.3

Run no. 14

322.95	0.0098	322.85	0.0099	0.0321	-402.1
322.95	0.0098	322.95	0.0099	0.0492	-385.4
322.95	0.0098	322.95	0.0099	0.0653	-375.4
322.95	0.0098	322.95	0.0099	0.0833	-367.4
322.95	0.0098	322.85	0.0099	0.1067	-359.4
322.95	0.0098	322.85	0.0099	0.1227	-355.3
322.95	0.0098	322.85	0.0099	0.1524	-348.5

Run no. 15

332.75	0.0098	332.85	0.0099	0.0263	-408.8
332.75	0.0098	332.75	0.0099	0.0387	-392.2
332.75	0.0098	332.85	0.0099	0.0437	-388.1
332.75	0.0098	332.85	0.0099	0.0632	-374.3
332.75	0.0098	332.85	0.0099	0.0876	-363.0
332.75	0.0098	332.85	0.0099	0.1366	-348.7
332.75	0.0098	332.85	0.0099	0.1700	-342.2

Run no. 16

332.95	0.0098	332.95	0.0099	0.0222	-419.2
332.95	0.0098	332.95	0.0099	0.0387	-393.0
332.95	0.0098	332.95	0.0099	0.0607	-376.1
332.95	0.0098	332.95	0.0099	0.0892	-362.7
332.95	0.0098	332.95	0.0099	0.1028	-358.0

Run no. 17

333.05	0.0098	332.95	0.0099	0.0321	-401.1
333.05	0.0098	333.15	0.0099	0.0492	-383.7
333.05	0.0098	333.15	0.0099	0.0653	-373.7
333.05	0.0098	333.05	0.0099	0.0833	-365.3
333.05	0.0098	333.05	0.0099	0.1067	-357.1
333.05	0.0098	332.95	0.0099	0.1227	-352.9
333.05	0.0098	333.05	0.0099	0.1524	-346.1

Run no. 18

342.95	0.0098	343.05	0.0099	0.0263	-407.1
342.95	0.0098	342.95	0.0099	0.0387	-390.8
342.95	0.0098	343.05	0.0099	0.0437	-385.7
342.95	0.0098	343.05	0.0099	0.0632	-372.2
342.95	0.0098	343.05	0.0099	0.0876	-360.4
342.95	0.0098	343.05	0.0099	0.1366	-345.5
342.95	0.0098	342.95	0.0099	0.1700	-338.6

Run no. 19					
343.05	0.0098	343.15	0.0099	0.0387	-391.6
343.05	0.0098	342.95	0.0099	0.0607	-374.5
343.05	0.0098	342.95	0.0099	0.0892	-360.8
343.05	0.0098	342.95	0.0099	0.1028	-356.1
343.05	0.0098	342.95	0.0099	0.1237	-349.8
343.05	0.0098	342.95	0.0099	0.1470	-344.5
Run no. 20					
343.15	0.0098	343.15	0.0099	0.0321	-400.1
343.15	0.0098	343.15	0.0099	0.0492	-382.2
343.15	0.0098	343.15	0.0099	0.0653	-371.9
343.15	0.0098	343.25	0.0099	0.0833	-363.2
343.15	0.0098	343.25	0.0099	0.1067	-354.6
343.15	0.0098	343.25	0.0099	0.1227	-350.1
343.15	0.0098	343.05	0.0099	0.1524	-342.8
Run no. 21					
353.15	0.0098	353.05	0.0099	0.0387	-390.9
353.15	0.0098	353.15	0.0099	0.0607	-373.3
353.15	0.0098	353.15	0.0099	0.0892	-358.7
353.15	0.0098	353.15	0.0099	0.1028	-354.0
353.15	0.0098	353.05	0.0099	0.1237	-347.7
353.15	0.0098	352.95	0.0099	0.1470	-342.1
Run no. 22					
353.15	0.0098	353.25	0.0099	0.0263	-407.7
353.15	0.0098	353.25	0.0099	0.0387	-390.1
353.15	0.0098	353.25	0.0099	0.0437	-385.5
353.15	0.0098	353.25	0.0099	0.0632	-371.1
353.15	0.0098	353.25	0.0099	0.1366	-344.4
353.15	0.0098	353.25	0.0099	0.1700	-337.2
Run no. 23					
353.25	0.0098	353.25	0.0099	0.0321	-399.5
353.25	0.0098	353.35	0.0099	0.0492	-380.7
353.25	0.0098	353.25	0.0099	0.0653	-370.2
353.25	0.0098	353.35	0.0099	0.0833	-361.0
353.25	0.0098	353.35	0.0099	0.1067	-352.3
353.25	0.0098	353.35	0.0099	0.1227	-348.0
353.25	0.0098	353.35	0.0099	0.1524	-340.3

$\ln(K_{2,exp})$ / -

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L-Proline

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{L\text{-}Proline}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
Run no. 1						
292.65	0.0099	292.65	0.0096	0.0199	-506.6	-24.85
292.65	0.0099	292.65	0.0096	0.0408	-480.9	-24.88
292.65	0.0099	292.75	0.0096	0.0855	-458.4	-24.86
292.65	0.0099	292.65	0.0096	0.2688	-426.3	-24.81
292.65	0.0099	292.65	0.0096	0.4335	-413.5	-24.80
292.65	0.0099	292.65	0.0096	0.6366	-403.0	-24.77
292.65	0.0099	292.75	0.0096	0.8823	-394.6	-24.76
Run no. 2						
292.85	0.0099	292.85	0.0096	0.0169	-513.8	-24.81
292.85	0.0099	292.75	0.0096	0.0408	-481.1	-24.88
292.85	0.0099	292.75	0.0096	0.0814	-460.1	-24.87
292.85	0.0099	292.75	0.0096	0.2420	-429.8	-24.84
292.85	0.0099	292.75	0.0096	0.4049	-415.9	-24.82
292.85	0.0099	292.75	0.0096	0.6369	-403.4	-24.78
292.85	0.0099	292.75	0.0096	0.8792	-394.6	-24.76
Run no. 3						
292.95	0.0099	292.95	0.0096	0.0164	-515.4	-24.81
292.95	0.0099	292.85	0.0096	0.0417	-480.6	-24.88
292.95	0.0099	292.85	0.0096	0.0801	-460.7	-24.87
292.95	0.0099	292.85	0.0096	0.2608	-428.0	-24.84
292.95	0.0099	292.95	0.0096	0.4176	-415.1	-24.81
292.95	0.0099	292.85	0.0096	0.6446	-403.3	-24.79
292.95	0.0099	292.85	0.0096	0.8666	-395.6	-24.78
Run no. 4						
298.05	0.0099	298.15	0.0096	0.0169	-514.7	-24.49
298.05	0.0099	298.15	0.0096	0.0408	-481.9	-24.57
298.05	0.0099	298.05	0.0096	0.0814	-460.8	-24.57
298.05	0.0099	298.05	0.0096	0.2420	-429.9	-24.54
298.05	0.0099	297.95	0.0096	0.4049	-415.7	-24.52
298.05	0.0099	298.15	0.0096	0.6369	-403.0	-24.48
298.05	0.0099	298.05	0.0096	0.8792	-394.3	-24.47
Run no. 5						
298.15	0.0099	298.05	0.0096	0.0164	-516.4	-24.52
298.15	0.0099	298.15	0.0096	0.0417	-481.4	-24.58
298.15	0.0099	298.15	0.0096	0.0801	-461.5	-24.58
298.15	0.0099	298.05	0.0096	0.2608	-427.9	-24.54
298.15	0.0099	298.25	0.0096	0.4176	-414.8	-24.50
298.15	0.0099	298.05	0.0096	0.6446	-403.1	-24.50
298.15	0.0099	298.05	0.0096	0.8666	-395.0	-24.49
Run no. 6						

298.15	0.0099	298.25	0.0096	0.0199	-507.6	-24.52
298.15	0.0099	298.15	0.0096	0.0408	-481.8	-24.57
298.15	0.0099	298.15	0.0096	0.0855	-459.0	-24.55
298.15	0.0099	298.15	0.0096	0.2688	-426.5	-24.51
298.15	0.0099	298.25	0.0096	0.4335	-413.3	-24.48
298.15	0.0099	298.35	0.0096	0.6366	-402.6	-24.45
298.15	0.0099	298.45	0.0096	0.8823	-393.7	-24.43
Run no. 7						
303.15	0.0099	303.05	0.0096	0.0164	-517.5	-24.24
303.15	0.0099	303.05	0.0096	0.0417	-482.3	-24.31
303.15	0.0099	303.15	0.0096	0.0801	-461.9	-24.30
303.15	0.0099	303.15	0.0096	0.2608	-427.8	-24.26
303.15	0.0099	303.25	0.0096	0.4176	-414.3	-24.22
303.15	0.0099	303.15	0.0096	0.6446	-402.3	-24.21
Run no. 8						
303.25	0.0099	303.35	0.0096	0.0169	-515.8	-24.20
303.25	0.0099	303.15	0.0096	0.0408	-483.0	-24.31
303.25	0.0099	303.15	0.0096	0.0814	-461.4	-24.30
303.25	0.0099	303.25	0.0096	0.4049	-415.3	-24.22
303.25	0.0099	303.25	0.0096	0.6369	-402.6	-24.20
303.25	0.0099	303.15	0.0096	0.8792	-393.8	-24.19
Run no. 9						
303.25	0.0099	303.25	0.0096	0.0199	-508.6	-24.24
303.25	0.0099	303.35	0.0096	0.0408	-482.3	-24.26
303.25	0.0099	303.35	0.0096	0.0855	-459.3	-24.26
303.25	0.0099	303.35	0.0096	0.2688	-426.3	-24.22
303.25	0.0099	303.35	0.0096	0.4335	-413.0	-24.20
303.25	0.0099	303.35	0.0096	0.6366	-401.7	-24.16
303.25	0.0099	303.35	0.0096	0.8823	-392.7	-24.14
Run no. 10						
313.15	0.0099	313.25	0.0096	0.0164	-519.0	-23.66
313.15	0.0099	313.05	0.0096	0.0417	-483.6	-23.77
313.15	0.0099	313.05	0.0096	0.0801	-462.7	-23.77
313.15	0.0099	313.15	0.0096	0.2608	-427.6	-23.73
313.15	0.0099	313.25	0.0096	0.4176	-413.5	-23.68
313.15	0.0099	313.15	0.0096	0.6446	-401.1	-23.67
313.15	0.0099	313.05	0.0096	0.8666	-393.2	-23.68
Run no. 11						
313.15	0.0099	313.25	0.0096	0.0169	-516.6	-23.62
313.15	0.0099	313.25	0.0096	0.0408	-483.6	-23.73
313.15	0.0099	313.25	0.0096	0.0814	-461.5	-23.73
313.15	0.0099	313.25	0.0096	0.6369	-400.3	-23.62
313.15	0.0099	313.25	0.0096	0.8792	-391.2	-23.61
Run no. 12						
313.35	0.0099	313.25	0.0096	0.0199	-510.5	-23.70
313.35	0.0099	313.45	0.0096	0.0408	-483.4	-23.71

313.35	0.0099	313.45	0.0096	0.0855	-459.8	-23.71
313.35	0.0099	313.35	0.0096	0.2688	-425.8	-23.68
313.35	0.0099	313.35	0.0096	0.4335	-411.9	-23.66
313.35	0.0099	313.35	0.0096	0.6366	-400.5	-23.62
313.35	0.0099	313.35	0.0096	0.8823	-390.9	-23.60
Run no. 13						
323.05	0.0099	323.05	0.0096	0.0199	-512.1	-23.19
323.05	0.0099	323.05	0.0096	0.0408	-485.1	-23.25
323.05	0.0099	323.05	0.0096	0.0855	-460.9	-23.25
323.05	0.0099	323.05	0.0096	0.2688	-425.8	-23.21
323.05	0.0099	322.95	0.0096	0.4335	-411.5	-23.19
323.05	0.0099	322.95	0.0096	0.6366	-400.0	-23.17
323.05	0.0099	322.95	0.0096	0.8823	-390.5	-23.16
Run no. 14						
323.05	0.0099	323.05	0.0096	0.0164	-520.3	-23.14
323.05	0.0099	323.05	0.0096	0.0417	-484.1	-23.24
323.05	0.0099	323.05	0.0096	0.0801	-462.7	-23.24
323.05	0.0099	323.05	0.0096	0.2608	-426.6	-23.20
323.05	0.0099	323.05	0.0096	0.4176	-412.6	-23.18
323.05	0.0099	323.15	0.0096	0.6446	-399.7	-23.16
323.05	0.0099	323.05	0.0096	0.8666	-390.6	-23.14
Run no. 15						
323.05	0.0099	323.05	0.0096	0.0169	-519.1	-23.15
323.05	0.0099	323.05	0.0096	0.0408	-485.1	-23.25
323.05	0.0099	323.15	0.0096	0.0814	-462.2	-23.23
323.05	0.0099	323.15	0.0096	0.2420	-428.8	-23.20
323.05	0.0099	323.15	0.0096	0.4049	-413.3	-23.17
323.05	0.0099	323.05	0.0096	0.6369	-400.1	-23.17
323.05	0.0099	323.05	0.0096	0.8792	-390.3	-23.14
Run no. 16						
333.25	0.0099	333.25	0.0096	0.0199	-513.8	-22.69
333.25	0.0099	333.35	0.0096	0.0408	-486.5	-22.76
333.25	0.0099	333.15	0.0096	0.0855	-461.6	-22.77
333.25	0.0099	333.25	0.0096	0.2688	-425.2	-22.72
333.25	0.0099	333.15	0.0096	0.4335	-410.8	-22.71
Run no. 17						
333.25	0.0099	333.35	0.0096	0.0164	-522.1	-22.64
333.25	0.0099	333.25	0.0096	0.0417	-485.6	-22.76
333.25	0.0099	333.35	0.0096	0.0801	-463.5	-22.75
333.25	0.0099	333.25	0.0096	0.2608	-426.5	-22.73
333.25	0.0099	333.35	0.0096	0.4176	-411.7	-22.69
333.25	0.0099	333.25	0.0096	0.6446	-398.6	-22.69
333.25	0.0099	333.25	0.0096	0.8666	-389.4	-22.66
Run no. 18						
333.35	0.0099	333.25	0.0096	0.0169	-521.0	-22.66
333.35	0.0099	333.35	0.0096	0.0408	-486.7	-22.77

333.35	0.0099	333.25	0.0096	0.0814	-463.2	-22.77
333.35	0.0099	333.25	0.0096	0.2420	-428.7	-22.73
333.35	0.0099	333.25	0.0096	0.4049	-412.6	-22.70
333.35	0.0099	333.25	0.0096	0.6369	-399.1	-22.69
333.35	0.0099	333.25	0.0096	0.8792	-389.1	-22.67
Run no. 19						
343.65	0.0099	343.65	0.0096	0.0164	-522.9	-22.12
343.65	0.0099	343.75	0.0096	0.0417	-486.1	-22.26
343.65	0.0099	343.75	0.0096	0.0801	-463.5	-22.26
343.65	0.0099	343.75	0.0096	0.2608	-425.1	-22.23
343.65	0.0099	343.75	0.0096	0.4176	-410.3	-22.21
343.65	0.0099	343.75	0.0096	0.6446	-396.5	-22.19
343.65	0.0099	343.75	0.0096	0.8666	-387.1	-22.17
Run no. 20						
343.75	0.0099	343.65	0.0096	0.0169	-521.2	-22.11
343.75	0.0099	343.75	0.0096	0.0408	-487.0	-22.26
343.75	0.0099	343.65	0.0096	0.0814	-463.1	-22.28
343.75	0.0099	343.75	0.0096	0.2420	-427.7	-22.24
343.75	0.0099	343.75	0.0096	0.4049	-411.5	-22.22
343.75	0.0099	343.75	0.0096	0.6369	-397.4	-22.21
343.75	0.0099	343.75	0.0096	0.8792	-386.9	-22.18
Run no. 21						
354.15	0.0099	354.25	0.0096	0.0169	-522.5	-21.63
354.15	0.0099	354.05	0.0096	0.0408	-488.0	-21.82
354.15	0.0099	354.05	0.0096	0.0814	-463.9	-21.84
354.15	0.0099	354.05	0.0096	0.2420	-427.8	-21.83
354.15	0.0099	354.05	0.0096	0.4049	-411.0	-21.80
354.15	0.0099	354.15	0.0096	0.6369	-396.3	-21.78
354.15	0.0099	354.05	0.0096	0.8792	-385.9	-21.77
Run no. 22						
354.35	0.0099	354.45	0.0096	0.0164	-524.0	-21.61
354.35	0.0099	354.45	0.0096	0.0417	-486.9	-21.79
354.35	0.0099	354.35	0.0096	0.0801	-464.0	-21.81
354.35	0.0099	354.35	0.0096	0.4176	-409.5	-21.77
354.35	0.0099	354.25	0.0096	0.6446	-395.8	-21.77
354.35	0.0099	354.25	0.0096	0.8666	-385.9	-21.75

L-Glutamic acid

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{L\text{-Glutamic acid}}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV
Run no. 1					
293.05	0.0101	292.95	0.0092	0.0057	-471.4
293.05	0.0101	293.05	0.0279	0.0165	-471.9
293.05	0.0101	292.95	0.0564	0.0314	-482.8
293.05	0.0101	292.95	0.0796	0.0560	-442.4
293.05	0.0101	293.05	0.1042	0.0636	-462.9
Run no. 2					
293.05	0.0101	293.05	0.0092	0.0055	-473.9
293.05	0.0101	293.05	0.0279	0.0174	-464.0
293.05	0.0101	293.05	0.0394	0.0224	-478.3
293.05	0.0101	292.95	0.0564	0.0317	-480.1
293.05	0.0101	293.05	0.0796	0.0438	-484.1
293.05	0.0101	293.05	0.1042	0.0574	-483.2
Run no. 3					
298.15	0.0101	298.05	0.0092	0.0057	-472.7
298.15	0.0101	298.15	0.0279	0.0165	-472.8
298.15	0.0101	298.15	0.0564	0.0314	-484.0
298.15	0.0101	298.15	0.0796	0.0560	-442.6
298.15	0.0101	298.15	0.1042	0.0636	-463.4
Run no. 4					
298.15	0.0101	298.15	0.0092	0.0058	-467.7
298.15	0.0101	298.15	0.0196	0.0119	-468.1
298.15	0.0101	298.15	0.0564	0.0306	-490.6
298.15	0.0101	298.15	0.0796	0.0462	-473.1
298.15	0.0101	298.15	0.1042	0.0573	-484.6
Run no. 5					
298.25	0.0101	298.15	0.0092	0.0055	-475.7
298.25	0.0101	298.25	0.0279	0.0174	-465.4
298.25	0.0101	298.15	0.0394	0.0224	-479.9
298.25	0.0101	298.25	0.0564	0.0317	-482.2
298.25	0.0101	298.15	0.0796	0.0438	-485.9
298.25	0.0101	298.15	0.1042	0.0574	-485.0
Run no. 6					
303.15	0.0101	303.25	0.0092	0.0058	-468.2
303.15	0.0101	303.05	0.0196	0.0119	-469.6
303.15	0.0101	303.05	0.0564	0.0306	-492.0
303.15	0.0101	303.05	0.0796	0.0462	-474.2
303.15	0.0101	303.05	0.1042	0.0573	-486.1
Run no. 7					
303.15	0.0101	303.25	0.0092	0.0055	-475.9

303.15	0.0101	303.15	0.0279	0.0174	-466.0
303.15	0.0101	303.15	0.0394	0.0224	-480.8
303.15	0.0101	303.15	0.0564	0.0317	-483.0
303.15	0.0101	303.05	0.0796	0.0438	-487.0
303.15	0.0101	303.05	0.1042	0.0574	-486.1
Run no. 8					
312.95	0.0101	313.05	0.0092	0.0058	-470.2
312.95	0.0101	312.85	0.0196	0.0119	-472.3
312.95	0.0101	312.85	0.0564	0.0306	-494.9
312.95	0.0101	313.05	0.0796	0.0462	-476.6
312.95	0.0101	312.95	0.1042	0.0573	-488.7
Run no. 9					
312.95	0.0101	312.95	0.0092	0.0057	-475.9
312.95	0.0101	312.95	0.0279	0.0165	-476.9
312.95	0.0101	312.95	0.0564	0.0314	-488.2
312.95	0.0101	313.05	0.0796	0.0560	-444.7
312.95	0.0101	313.05	0.1042	0.0636	-466.3
Run no. 10					
313.15	0.0101	313.15	0.0092	0.0055	-478.8
313.15	0.0101	313.05	0.0279	0.0174	-469.0
313.15	0.0101	313.15	0.0394	0.0224	-484.1
313.15	0.0101	313.05	0.0564	0.0317	-486.2
313.15	0.0101	313.05	0.0796	0.0438	-490.3
313.15	0.0101	313.05	0.1042	0.0574	-489.2
Run no. 11					
323.35	0.0101	323.35	0.0092	0.0058	-473.0
323.35	0.0101	323.35	0.0196	0.0119	-475.0
323.35	0.0101	323.35	0.0564	0.0306	-497.5
323.35	0.0101	323.25	0.0796	0.0462	-478.9
323.35	0.0101	323.35	0.1042	0.0573	-491.0
Run no. 12					
323.35	0.0101	323.35	0.0092	0.0055	-480.6
323.35	0.0101	323.35	0.0279	0.0174	-470.6
323.35	0.0101	323.35	0.0394	0.0224	-485.9
323.35	0.0101	323.35	0.0564	0.0317	-487.9
323.35	0.0101	323.35	0.0796	0.0438	-491.7
323.35	0.0101	323.35	0.1042	0.0574	-490.3
Run no. 13					
333.15	0.0101	333.15	0.0092	0.0058	-475.4
333.15	0.0101	333.15	0.0196	0.0119	-478.2
333.15	0.0101	333.15	0.0564	0.0306	-500.0
333.15	0.0101	333.15	0.0796	0.0462	-480.9
333.15	0.0101	333.15	0.1042	0.0573	-493.0
Run no. 14					
343.25	0.0101	343.35	0.0092	0.0055	-486.0

343.25	0.0101	343.35	0.0279	0.0174	-476.2
343.25	0.0101	343.35	0.0394	0.0224	-491.8
343.25	0.0101	343.25	0.0564	0.0317	-493.5
343.25	0.0101	343.35	0.0796	0.0438	-497.2
343.25	0.0101	343.35	0.1042	0.0574	-495.0
Run no. 15					
343.45	0.0101	343.55	0.0092	0.0058	-478.4
343.45	0.0101	343.45	0.0196	0.0119	-481.7
343.45	0.0101	343.35	0.0564	0.0306	-503.0
343.45	0.0101	343.55	0.0796	0.0462	-483.3
343.45	0.0101	343.35	0.1042	0.0573	-495.8
Run no. 16					
353.25	0.0101	353.25	0.0092	0.0058	-480.9
353.25	0.0101	353.25	0.0196	0.0119	-485.5
353.25	0.0101	353.25	0.0564	0.0306	-507.8
353.25	0.0101	353.15	0.0796	0.0462	-488.0
353.25	0.0101	353.15	0.1042	0.0573	-501.0
Run no. 17					
353.25	0.0101	353.35	0.0092	0.0055	-489.3
353.25	0.0101	353.25	0.0279	0.0174	-479.5
353.25	0.0101	353.25	0.0394	0.0224	-495.7
353.25	0.0101	353.25	0.0564	0.0317	-497.6
353.25	0.0101	353.15	0.0796	0.0438	-501.6
353.25	0.0101	353.25	0.1042	0.0574	-499.5

$\ln(K_{2,exp})$ / -

-23.30
-23.24
-23.31
-23.45
-23.49

-23.27
-23.28
-23.23
-23.32
-23.34
-23.42

-23.05
-22.96
-23.03
-23.16
-23.21

-23.03
-22.89
-23.00
-23.13
-23.14

-23.03
-23.03
-22.98
-23.08
-23.10
-23.18

-22.76
-22.66
-22.77
-22.88
-22.91

-22.74

-22.77
-22.72
-22.81
-22.85
-22.93

-22.29
-22.22
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-22.45
-22.49

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-21.77
-21.85
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-21.85
-21.86
-21.80
-21.89
-21.91
-21.97

-21.48
-21.41
-21.44
-21.55
-21.56

-21.09

-21.11
-21.04
-21.12
-21.13
-21.17

-21.11
-21.06
-21.06
-21.15
-21.18

-20.77
-20.76
-20.79
-20.90
-20.92

-20.77
-20.79
-20.74
-20.82
-20.84
-20.88

L-Aspartic acid

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{NaOH,II}$ / mol·kg^{-1}	$m_{L\text{-Aspartic acid}}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV
Run no. 1					
293.15	0.0099	293.15	0.0196	0.0102	-516.7
293.15	0.0099	293.55	0.0279	0.0150	-502.1
293.15	0.0099	293.15	0.0564	0.0297	-506.5
293.15	0.0099	293.25	0.0796	0.0415	-509.1
293.15	0.0099	293.55	0.1042	0.0644	-471.8
Run no. 2					
293.65	0.0099	293.65	0.0279	0.0142	-522.7
293.65	0.0099	293.65	0.0394	0.0198	-528.9
293.65	0.0099	293.65	0.0564	0.0305	-502.6
293.65	0.0099	293.55	0.0796	0.0408	-520.7
293.65	0.0099	293.65	0.1042	0.0572	-494.8
Run no. 3					
298.05	0.0099	298.05	0.0279	0.0143	-519.7
298.05	0.0099	298.05	0.0564	0.0306	-499.3
298.05	0.0099	298.05	0.0796	0.0429	-499.9
298.05	0.0099	298.05	0.1042	0.0598	-483.4
Run no. 4					
298.05	0.0099	298.05	0.0090	0.0053	-485.7
298.05	0.0099	298.05	0.0279	0.0150	-504.6
298.05	0.0099	298.05	0.0564	0.0297	-508.8
298.05	0.0099	298.05	0.0796	0.0415	-512.0
Run no. 5					
298.15	0.0099	298.15	0.0279	0.0142	-521.6
298.15	0.0099	298.15	0.0394	0.0198	-528.7
298.15	0.0099	298.15	0.0564	0.0305	-503.4
298.15	0.0099	298.05	0.0796	0.0408	-519.9
298.15	0.0099	298.05	0.1042	0.0572	-495.5
Run no. 6					
303.05	0.0099	303.05	0.0196	0.0105	-506.4
303.05	0.0099	302.95	0.0279	0.0143	-519.9
303.05	0.0099	302.95	0.0394	0.0203	-517.4
303.05	0.0099	302.95	0.0564	0.0306	-500.6
303.05	0.0099	303.05	0.0796	0.0429	-501.1
303.05	0.0099	303.05	0.1042	0.0598	-484.5
Run no. 7					
303.05	0.0099	303.05	0.0090	0.0053	-486.6
303.05	0.0099	303.05	0.0279	0.0150	-505.8
303.05	0.0099	302.95	0.0564	0.0297	-510.0
303.05	0.0099	303.05	0.0796	0.0415	-512.9

Run no. 8					
303.15	0.0099	303.05	0.0279	0.0142	-522.4
303.15	0.0099	303.15	0.0394	0.0198	-528.8
303.15	0.0099	303.15	0.0564	0.0305	-504.5
303.15	0.0099	303.05	0.0796	0.0408	-521.2
303.15	0.0099	303.05	0.1042	0.0572	-496.7
Run no. 9					
312.95	0.0099	312.85	0.0090	0.0053	-489.8
312.95	0.0099	313.05	0.0279	0.0150	-508.9
312.95	0.0099	313.05	0.0564	0.0297	-513.0
312.95	0.0099	313.05	0.0796	0.0415	-515.9
Run no. 10					
313.05	0.0099	313.05	0.0196	0.0105	-509.1
313.05	0.0099	312.95	0.0279	0.0143	-522.0
313.05	0.0099	312.95	0.0394	0.0203	-520.0
313.05	0.0099	312.85	0.0564	0.0306	-503.6
313.05	0.0099	313.05	0.0796	0.0429	-504.1
313.05	0.0099	312.95	0.1042	0.0598	-487.0
Run no. 11					
313.05	0.0099	312.95	0.0090	0.0050	-497.7
313.05	0.0099	313.05	0.0279	0.0142	-523.6
313.05	0.0099	313.15	0.0394	0.0198	-529.6
313.05	0.0099	313.05	0.0564	0.0305	-506.6
313.05	0.0099	312.95	0.0796	0.0408	-523.1
313.05	0.0099	312.95	0.1042	0.0572	-498.7
Run no. 12					
323.15	0.0099	323.15	0.0090	0.0053	-491.4
323.15	0.0099	323.25	0.0279	0.0150	-510.6
323.15	0.0099	323.25	0.0564	0.0297	-514.7
323.15	0.0099	323.05	0.0796	0.0415	-517.1
Run no. 13					
323.25	0.0099	323.25	0.0196	0.0105	-511.6
323.25	0.0099	323.25	0.0279	0.0143	-523.7
323.25	0.0099	323.25	0.0394	0.0203	-522.1
323.25	0.0099	323.15	0.0564	0.0306	-506.1
323.25	0.0099	323.15	0.0796	0.0429	-507.4
323.25	0.0099	323.15	0.1042	0.0598	-489.9
Run no. 14					
323.25	0.0099	323.35	0.0090	0.0050	-499.6
323.25	0.0099	323.15	0.0279	0.0142	-525.3
323.25	0.0099	323.25	0.0394	0.0198	-531.3
323.25	0.0099	323.25	0.0564	0.0305	-509.2
323.25	0.0099	323.25	0.0796	0.0408	-525.3
323.25	0.0099	323.25	0.1042	0.0572	-501.0

Run no. 15

333.15	0.0099	333.15	0.0196	0.0105	-511.6
333.15	0.0099	333.15	0.0279	0.0143	-522.5
333.15	0.0099	333.15	0.0564	0.0306	-506.2
333.15	0.0099	333.15	0.0796	0.0429	-506.8

Run no. 16

333.25	0.0099	333.35	0.0090	0.0050	-500.5
333.25	0.0099	333.35	0.0279	0.0142	-523.9
333.25	0.0099	333.15	0.0564	0.0305	-510.1
333.25	0.0099	333.15	0.0796	0.0408	-525.1
333.25	0.0099	333.25	0.1042	0.0572	-501.5

Run no. 17

342.25	0.0099	342.35	0.0090	0.0052	-497.3
342.25	0.0099	342.35	0.0196	0.0107	-508.6
342.25	0.0099	342.65	0.0796	0.0417	-516.0
342.25	0.0099	342.65	0.1042	0.0565	-504.1

Run no. 18

353.25	0.0099	353.15	0.0090	0.0052	-500.1
353.25	0.0099	353.15	0.0196	0.0107	-511.2
353.25	0.0099	353.25	0.0796	0.0417	-517.4
353.25	0.0099	353.25	0.1042	0.0565	-507.1

$\ln(K_{2,exp})$ / -

-23.94
-23.57
-23.55
-23.58
-23.92

-23.78
-23.69
-23.79
-23.70
-23.82

-23.46
-23.41
-23.45
-23.54

-23.36
-23.41
-23.35
-23.40

-23.43
-23.41
-23.53
-23.37
-23.58

-23.09
-23.18
-23.08
-23.17
-23.19
-23.28

-23.10
-23.16
-23.10
-23.14

-23.19
-23.12
-23.27
-23.13
-23.32

-22.69
-22.72
-22.64
-22.68

-22.65
-22.73
-22.63
-22.71
-22.73
-22.82

-22.64
-22.68
-22.59
-22.78
-22.64
-22.82

-22.20
-22.23
-22.14
-22.17

-22.21
-22.24
-22.16
-22.24
-22.30
-22.38

-22.17
-22.22
-22.14
-22.32
-22.17
-22.35

-21.68
-21.63
-21.72
-21.76

-21.69
-21.57
-21.84
-21.62
-21.85

-21.34
-21.28
-21.21
-21.34

-20.96
-20.88
-20.77
-20.97

Taurine using K+ and Li+ as counter ions

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{KOH,II}$ / mol·kg^{-1}	$m_{Taurine}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
Run no. 1						
293.15	0.0102	293.25	0.0101	0.0644	-371.8	-21.19
293.15	0.0102	293.25	0.0101	0.1324	-351.1	-21.19
293.15	0.0102	293.25	0.0101	0.2056	-339.3	-21.19
293.15	0.0102	293.15	0.0101	0.2641	-332.3	-21.18
293.15	0.0102	293.05	0.0101	0.3446	-326.0	-21.21
293.15	0.0102	293.25	0.0101	0.4205	-320.6	-21.19
293.15	0.0102	293.15	0.0101	0.5611	-313.2	-21.20
Run no. 2						
323.65	0.0102	323.55	0.0101	0.0644	-365.1	-19.59
323.65	0.0102	323.55	0.0101	0.1324	-342.4	-19.59
323.65	0.0102	323.55	0.0101	0.2056	-329.3	-19.59
323.65	0.0102	323.65	0.0101	0.2641	-321.7	-19.57
323.65	0.0102	323.55	0.0101	0.3446	-313.9	-19.57
323.65	0.0102	323.55	0.0101	0.4205	-308.5	-19.58
323.65	0.0102	323.55	0.0101	0.5611	-300.3	-19.58
Run no. 3						
353.75	0.0102	353.85	0.0101	0.0644	-359.1	-18.29
353.75	0.0102	353.85	0.0101	0.1324	-333.7	-18.26
353.75	0.0102	353.75	0.0101	0.2056	-319.0	-18.25
353.75	0.0102	353.85	0.0101	0.2641	-311.1	-18.25
353.75	0.0102	353.85	0.0101	0.3446	-301.7	-18.22
353.75	0.0102	353.75	0.0101	0.4205	-296.3	-18.25
353.75	0.0102	353.75	0.0101	0.5611	-286.7	-18.23

T_I / K	$m_{HCl,I}$ / mol·kg^{-1}	T_{II} / K	$m_{LiOH,II}$ / mol·kg^{-1}	$m_{Taurine}$ / mol·kg^{-1}	$(E_I - E_{II})$ / mV	$\ln(K_{2,exp})$ / -
Run no. 1						
293.15	0.0102	293.15	0.0103	0.0434	-384.1	-21.17
293.15	0.0102	293.25	0.0103	0.1248	-352.4	-21.15
293.15	0.0102	293.25	0.0103	0.1953	-340.3	-21.16
293.15	0.0102	293.15	0.0103	0.2789	-331.0	-21.17
293.15	0.0102	293.25	0.0103	0.3280	-326.7	-21.16
293.15	0.0102	293.15	0.0103	0.4049	-321.3	-21.17
Run no. 2						
323.65	0.0102	323.55	0.0103	0.0434	-379.2	-19.58
323.65	0.0102	323.55	0.0103	0.1248	-344.2	-19.57
323.65	0.0102	323.55	0.0103	0.1953	-330.8	-19.57
323.65	0.0102	323.55	0.0103	0.2789	-320.3	-19.56
323.65	0.0102	323.55	0.0103	0.3280	-315.8	-19.57
323.65	0.0102	323.55	0.0103	0.4049	-309.5	-19.56
323.65	0.0102	323.55	0.0103	0.5532	-300.8	-19.57

Run no. 3

353.75	0.0102	353.75	0.0103	0.0434	-374.2	-18.27
353.75	0.0102	353.65	0.0103	0.1248	-336.2	-18.27
353.75	0.0102	353.65	0.0103	0.1953	-321.8	-18.28
353.75	0.0102	353.65	0.0103	0.2789	-309.9	-18.26